

Reporoa High Lift Gate<sup>®</sup>

# Gate Maintenance Guide



 **REPOROA**  
HIGH LIFT GATE<sup>®</sup>

**WEEKLY**

Gearbox	Check for Oil Leaks – Tighten Mounting Bolts
Main Drive	Replace oil seals if faulty
<b>Gearbox</b>	Check for Oil Leaks – Tighten Mounting Bolts
Winch	Replace oil seals if faulty
Wheel	Check Tread is in good condition
<b>Front</b>	Replace wheel if faulty
Wheel	Check Tread is in good condition – R Clip is in axle – wheel Covers are in place – Wheel covers are firmly mounted
<b>Rear</b>	Replace wheel if faulty
Rope	Rope should be in good condition with no frayed ends – The rope end must be tied to the gate with a BOWLINE knot only (if unsure please ask) Replace rope if damaged
Pulleys	Pulleys must be in good working order with the roller turning freely and the lock pin is tight. Replace pulleys if faulty
Gate Mounting	Gate hangers to be locked to Main Beams with 2 x special lynch pins. Replace lynch pins if faulty.
Micro Stop ForwardReverse	Micro stops must be in good operating condition with rolling rollers. Replace micro switches if faulty
Rotary Switch Lift	To be adjusted correctly for gate travel (gate should be hanging back 300mm on down and have clearance of 50mm in the up position. Adjust or replace rotary switch if faulty
Grease Nipples	There is one grease nipple in each rear wheel that <b>must</b> be greased weekly.
Nylon Rollers	There is to be one nylon roller on each side of the wire pusher (these are to push and pull the main cantenary cable) Replace nylon rollers if faulty.
Welding	Check for any broken weldsRepair welds if faulty

## MONTHLY

Gearbox Main Drive	Tighten Mounting Bolts
Gearbox Winch Unit	Tighten Mounting Bolts – Tighten grub screws in lock collars
Wheel Front – Drive	Wheel must be firmly mounted to shaft, key and Circlips are in place and not worn
Wheel Rear - Idler	Wheel must be firmly mounted to Shaft – R Clip is in axle – Nylon Bushes are in good condition – Wheel covers are in place – Wheel covers are firmly mounted Replace as required
Rope	The rope end must be tied to the gate with a <b>BOWLINE</b> knot only (if unsure ask) Replace with genuine part only.
Pulleys	Pulley must be in good working order with the roller turning freely and lock pin is tight. Replace faulty pulleys with genuine part only
<b>Micro Stop, ForwardReverse</b>	Micro stops must be in good operating condition with rolling rollers Replace faulty micro switch with genuine part only.
<b>Micro Switch Lift</b>	Grub screw mounting rotary switch to gearbox shaft should be tight. Replace faulty micro switch with genuine part only
<b>Nylon Rollers</b>	Nylon Rollers must be spaced at 1200mm Centres maximum Replace faulty nylon rollers with genuine part only.
<b>Nylon Rollers</b>	There is to be one nylon roller to be each side of the wire pusher these are to push and pull the main cantenary cable)
<b>Wire Pusher</b>	The wire pusher should be in good condition with no worn groove. Apply grease
<b>Electrical Cables</b>	Make sure all glands are tight, and all electrical cables are in good condition

## Check List For Reporoa High Lift Gate

### If slippage is occurring please check the following:

- That the rear idler wheels are greased and the nylon bushes in the rear wheels are in good condition.
- Ensure that the catenary wire down the side of the yard is running in the centre of the roller. Also grease the roller.
- Grease the first 10 orange ezy rollers.
- Ensure that the wheel centers are equal across front drive wheels and across the rear idler wheels.
- Ensure that the front drive wheel and the rear idler wheel are in line. Run a straight edge between the front and rear wheel ensuring all 4 points are in line.
- We can supply drive wheels that are machined and grooved and have proven to increase traction. Please advise if you would like to source some.
  - Or if you prefer to do yourself, using a steel cut off disc
    - Cut on a 90o angle
    - Approx 5mm deep
    - Cuts to be at 25mm apart
- If these checks are carried out and all the above is correct it will hugely improve the traction of your backing gate.



Dairy Shed Design • Build • Project Management