SEA SLIDING GATE OPERATOR SERVICE SCHEDULE

This service schedule does not cover all aspects of a site service but is intended to help the engineer in his work and act as a useful aid memoir.

IMPORTANT: <u>Always</u> Switch off the mains electrical supply to the operator when carrying out lubrication, or making any adjustments to the gate or racking.

(Tick relevant boxes or fill-in/delete as required)

OPERATOR TYPE - ORION	**SATURN**	**LEPUS 800/Civic**	**LEPUS 1800/Ind.**
PINION TYPE ☐	☐	☐	☐
16 TOOTH PINION ☐	☐	☐	☐
17 TOOTH PINION ☐	N/A	N/A	N/A
20 TOOTH PINION N/A	N/A	☐	☐

PINION CONDITION GOOD ☐ WORN ☐ Action _____

RACK TYPE - METAL ☐ PLASTIC ☐ CONDITION – GOOD ☐ WORN ☐

CLUTCH TEST – The clutch should be adjusted to a safe level that is hard enough to drive the gate properly but be set soft enough so as not to cause injury or damage.

Clutch Test – OK ☐ Clutch Adjusted ☐

ROTATION SENSOR – If present. The presence of a rotation sensor can be verified by inspecting the top of electric motor for the device and circular magnet fitted to the motor shaft.

Rotation Sensor Test OK ☐ Sensor Not Working ☐ Action Taken_____

LIMIT SWITCH & PLATES – The Limit Plate(s) should be no more than 5mm away from the Limit Switch face when it passes in front of the Switch.

Limit Switch OK ☐ Requires Attention ☐ Action Taken_____

EMERGENCY RELEASE TEST

Release Test OK ☐ Requires Attention ☐ Action Taken_____

PHYSICAL STOPS – IMPORTANT: The gate must be fitted with physical stops that will prevent the gate from passing out of the top guide when opened or closed manually, or should the gate fail to stop at the Limit Switch.

Physical Stops OK ☐ Requiring Attention ☐ Action Taken_____

GATE and GATE RUNNING GEAR: Is the gate track level? It should be: Yes ☐ No ☐

In Good Condition ☐ Requires Attention ☐ Action Taken _____

LUBRICATION: Remember to switch off the mains to the system before starting this task.
Check for oil leaks from the operator and check oil level/sight glass.
Lubricate top gate guide. If required the Pinion and Racking should be lubricated using a light oil spray (WD40 type), grit and dirt tends to stick to grease.

Lubrication Completed ☐

Please turn over

SAFETY, SECURITY and ELECTRICAL

CRUSH & SCISSOR POINTS

IMPORTANT: The EU Machinery Directive 97/38EC is now in force. An automatic gate system is required to have devices fitted to prevent injury by crushing, pinching or striking.

Operate and check the system for possible crush or scissor points.

Check that any operating/start devices, for example Push buttons, Key or Digital Switches cannot be reached and operated by putting a hand/arm through the gate(s). If they can it is dangerous; Change or disable immediately.

If a crush/scissor point is identified, a 'Safety Device' should be recommended and installed to prevent any accidents occurring.

Suitable 'Safety Devices' include 'Safety Edges': They can for instance be fitted to the leading and trailing edges of a sliding gate, with the 'Stop' signal transferred from the moving gate to control panel using the 'Bat' photocell. More information on these and other products can be obtained from SEA (UK) Ltd; the telephone number is shown at the foot of this page.

Crush/Scissor Check OK ☐ Attention needed ☐ To what? _____

PHOTOCELLS

Two sets of Photocells are recommended to provide satisfactory vehicle safety: One set of Photocells should be fitted across the drive on the inside of the gate, just inside of the opening line of the gate. And a second set on the outside just past the gate closing line.

Please Note: To prevent 'cross talk' and a possible 'Safety Failure', the photocell transmitters should be installed on opposite sides of the drive. Check if this has been done if two sets of photocells are installed on this site,

Location of the photocells:

Inside & outside the gate(s) ☐ Outside the gate(s) only ☐ Inside the gate(s) only ☐

Check the Photocells operation & condition OK ☐ Attention needed ☐

LOOP DETECTOR. Check any Induction Loop(s) fitted is/are working as intended. If a Loop is fitted to provide 'hold open' safety, park a vehicle on the loop to check if it will hold for a sufficient amount of time.

Loop(s) OK ☐ Attention needed ☐ To what? _____

START DEVICES

Check all 'start' devices work correctly i.e. Radio Tx, Push Buttons, and Digital Switch etc.

Start devices OK ☐ In need of attention ☐ Which one? _____

ELECTRICAL: Visually check the entire system for any faults or potential faults and infestation.

Electrical Inspection OK ☐ Attention needed ☐ To what? _____

Test the RCD and local 'Isolation Switch'

RCD/Switch Test OK ☐ Attention needed ☐ To what? _____

Notes and comments: _____

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