



MAINTENANCE SCHEDULE

Caution! - The maintenance of the complete installation must be carried out by qualified technical personnel only, in full compliance with standards for safety at work laws and requirements on safety .

In general KEY AUTOMATION road barrier gates do not require any particular maintenance ,however, a regular service scheduled in time will help maintain the efficiency of the system and will ensure the continuous operation of the security systems installed.

As a general rule, it is advisable to perform a periodic inspection, with a scheduled service plan , every 6 months or 50 ,000 operations / replacing the spring after every 500 000 operations.

The balancing system of the boom arm should be checked at least 2 times a year, preferably after environmental season changes (summer /winter) or after reaching the number of maneuvers recommended.

At scheduled maintenance periods , run these inspection and replacements if needed:

1. Disconnect any electrical power source.
2. Check the state of deterioration of all the materials that are part of the construction of the barrier gate with particular attention to corrosion or oxidation of the structural parts.
3. Make sure that all screws are properly tightened (especially those of the balancing spring), that during operation are subject to vibrations
4. Verify that there is no backlash between the balance lever and the gearbox output shaft . If needed tighten the center screw on the balance lever(if need add some screw thread fastener).
5. Lubricate the spherical rolling joint head of the balancing spring and lower spring connection point .
6. Place the boom arm in the upright position (vertical) and check that the pitch between the coils of the balance spring is constant without any gaps or deformation.
7. Unlock and verify the correct balancing of the boom arm (as per instructions) and any impediments during the manual opening and closing movement.
8. Re-lock and carry out the testing procedure (as per instructions).
9. Verifica efficiency of the release system: place the boom arm in Close position and perform the manual release of the motor ensuring that this takes place without difficulty.

MAINTENANCE RECORD

Important - This maintenance log should be consigned to the owner , once completed all the required parts.

In this register there should be listed all the activities of maintenance, repair and modification to be carried out. The registry must be updated at each service call and carefully preserved to be available for inspection by authorized bodies.

This "Maintenance Record" refers to the automatic Barrier Road Gate Installation (not only the Barrier gate also any safety/activation devices) following:

mod. KEY AUTOMATION ALT424K/ ALT424/ ALT624K/ ALT424 – Serial number
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Installed on

At

They are part of this "Maintenance Record" the following documents attached:

- 1) – Road Barrier Gate maintenance plan
- 2) -
- 3) -
- 4) -
- 5) -
- 6) -

According to the attached document "Maintenance Plan", the maintenance should be carried out with the following schedule:

every 6 months or 50,000 cycles, according to the event that occurs first.