Maintenance Schedule for Vmag Gate Operators

Maintenance is primarily checking gate and operator hardware for integrity.

6 month check (first check should be performed within first three months of operation).

Gate

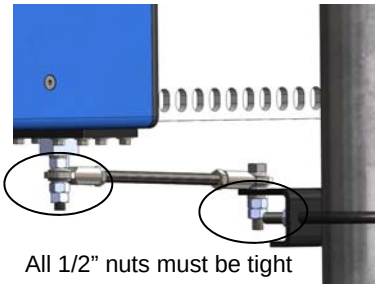
⇒ Inspect and manually roll gate to verify unrestricted and smooth travel.

⇒ Inspect gate rollers (overhead trucks, cantilever rollers or V track hardware) for abnormal wear.

Vmag Operator

⇒ Check the fault code table page in the programmer for fault patterns that should be addressed.

⇒ Check linkage assembly & post bracket hardware to ensure proper alignment & rigidity.



All 1/2" nuts must be tight

⇒ Remove motor assembly end caps to inspect cam rollers for excessive wear & proper reaction fin contact.

Ensure **bottom** cam rollers on each end contact the sides of the reaction fin. Cam rollers should touch the fin but not too difficult to turn by hand.

If adjustment is required, refer to the Vmag installation manual for the proper adjustment procedure and recheck proximity sensor gap.

⇒ Test all vehicular and safety devices for proper operation. All safety devices should conform to UL325.

⇒ Inspect reaction fin holes and file down flush any protrusions found.

⇒ Visually inspect reaction fin assembly screws for integrity. Re-apply thread locker e.g. "Loctite" to any reaction fin screws that may have come loose.

⇒ Check & tighten reaction fin hanger bracket bolts. Torque to 11 foot pounds.

⇒ Check Lock Assembly for freedom of operation. Lock plunger should fall freely when solenoid is de-energized. Lock assembly parts may be cleaned using only electrical contact cleaner that will dry without collecting dust and dirt. Do not use WD40 or any other similar lubrication.

⇒ "Keep Alive Option" batteries should be replaced once every two years.

⇒ Replace PLC clock battery every 5 years.