



## Basic Barrier Maintenance Guide

For product warranties to be effective, recorded scheduled maintenance is usually required. Please follow the manufacturer’s recommended frequency and maintenance tasks for the specific product. The generalized steps below are for maintenance actions typically performed.

Tasks	Hydraulic	Electric
Place required traffic barriers and traffic delineators per local code to ensure a safe working environment	X	X
With the unit power on, check for proper voltage		X
With the unit power on, check for proper hydraulic pressure	X	
Check the HPU for hydraulic leaks, clean up spill and tighten connections, if needed	X	
Inspect pump motor for abnormal wear	X	
Check operation of unit several times to verify operability of the system	X	X
Check operation of unit several times to analyze the speed of the system	X	X
Close the barrier (down position) and turn the power off	X	X
Remove access plates or raise barrier plates (securing in the up position with proper safety devices) using the proper tools	X	X
Remove actuator to inspect hoses and actuator, and reinstall	X	
Check and secure actuator brackets	X	X
Spray joints with lubricant	X	X
Check actuator seals and nuts and clean, if needed	X	X
Check and secure pillow block bolts	X	X
Check and grease bearings in the barrier system	X	X
Inspect and adjust limit switches, if needed	X	X
Check and secure remaining bolts in the barrier system	X	X
Check any painted parts and touch up as needed	X	X
Blow out and remove debris from drainage system	X	X
Check drainage system, including sump pump (typically 2 to 3 minimum short burst when dry)	X	X
Replace access plates	X	X
Drain oil from HPU reservoir, taking precaution for non-environmentally friendly oil, typically once a year	X	
Fill system with required oil	X	
Replace filter at pickup location in the HPU reservoir	X	
Properly dispose of hydraulic oil	X	
Remove dirt and debris from any exterior sections of the barrier	X	X
Check operation of unit several times to verify operability of the system	X	X
Check operation of unit several times to analyze the speed of the system	X	X
Remove traffic barriers and traffic delineators temporarily used during maintenance	X	X
Report any issues and concerns to barrier owner	X	X
Complete checklist and maintain file	X	X

Time required to maintain the security system is dependent upon number of barriers, number of power units, safety equipment, owner restrictions for lane closures, etc. A typical hydraulic barrier system should be serviced every month, while an electrical barrier system should be serviced every quarter.

