



# CART-MATIC MAINTENANCE GUIDELINES

Regular and consistent maintenance of your Courion CART-MATIC equipment will insure its proper and safe performance. Routinely examine, lubricate, clean, and adjust the equipment to ensure performance in accordance with Courion's operating specifications and applicable Code requirements. Every time you are on site, you should visually inspect all Courion Equipment to insure that it is operating properly, and that it is clean and free from damage. Below are minimum routine maintenance guidelines for your Courion's equipment. **These are only guidelines.** More frequent maintenance may be necessary where the equipment is subject to high wear or corrosive effects of dust, abrasives, moisture, grease, chemicals, abnormal temperatures, or other conditions.

**LUBRICATION GUIDELINES:** Clean and apply light weight oil (elevator hydraulic oil or #10 automotive oil) (**DO NOT USE GREASE!**) to the following COURION components:

| FREQUENCY   | √ | Page # in Manual */ | DESCRIPTION OF WORK                                   |
|-------------|---|---------------------|---|
| MONTHLY     |   | 7                   | HOISTWAY DOOR GUIDE RAILS                             |
| QUARTERLY   |   | 20                  | CAR GATE GUIDE RAILS                                  |
|             |   | 12                  | DOOR CHAINS   |
| SEMI-ANNUAL |   | 25                  | GATE CHAINS   |
|             |   | 30                  | CART-MATIC TRANSFER DEVICE & CHAINS (when applicable) |
|             |   | 28                  | RETIRING CAM PIVOT POINTS & CHAINS                    |

**MAINTENANCE & ADJUSTMENTS:** Inspect and adjust the following COURION CART-MATIC components:

| FREQUENCY | √ | Page # in Manual */ | DESCRIPTION OF WORK  |
|-----------|---|---------------------|--|
| QUARTERLY |   | 7                   | HOISTWAY DOOR SHOES: Overall side-to-side play (left to right) of the hoistway door panels should be limited to 1/16" (1.5mm). If the side-to-side play exceeds this amount, adjust or replace your guide shoes.       |
|           |   | 14                  | RETIRING CAM: Make sure that the Interlock and Retiring Cam are functioning properly.  |
|           |   | 15                  | DOOR LIMIT SWITCHES: Insure that there is a 1/4" clearance between the chamfered end of the Lock Bar and the actuator on the Limit Switch at FULL CLOSED and FULL OPEN.  |
|           |   | 26                  | GATE PROXIMITY SWITCHES: Insure that there is about 1/4" between the GATE PROXIMTY SWITCHES and backside of the GATE PANELS.   |
|           |   | 17                  | EMERGENCY UNLOCKING DEVICE: Make sure that the EUDs are functioning properly, free from damage, and securely attached to the hallway wall. If an EUD is missing, it must be replaced. DO NOT LEAVE PULL CHAIN EXPOSED. |

\*/ Please consult COURION's CART-MATIC Parts & Maintenance Manual for additional details.



# CART-MATIC MAINTENANCE GUIDELINES

| FREQUENCY   | √ | Page # in Manual */ | DESCRIPTION OF WORK   |
|-------------|---|---------------------|---|
|             |   | 19                  | CARE INFRARED REVERSING EDGE (Reopening Device): Check that the CARE INFRARED REVERSING EDGES are functioning correctly.  |
|             |   | 20                  | CAR GATE GUIDE SHOES: Overall side-to-side play (left to right) of the car gate panel should be limited to 1/16" (1.5mm). If the side-to-side play exceeds this amount, adjust or replace your guide shoes. |
|             |   | 12                  | DOOR CHAINS: Inspect all door chains to insure that they are not showing signs of wear. While chain stretch is normal, replace chains if worn or stiff.   |
|             |   | 8                   | DOOR OPERATOR & IDLER SPROCKET: Inspect all DOOR OPERATORS to insure that the door chains are running true and not causing any significant wear in the sprockets or sheaves.                                |
|             |   | 22                  | GATE OPERATOR & IDLER SPROCKET: Inspect all GATE OPERATORS to insure that the gate chains are running true and not causing any significant wear in the sprockets or sheaves.                                |
|             |   | 25                  | CAR GATE CHAINS: Inspect all gate chains to insure that they are not showing signs of wear. While chain stretch is normal, replace chains if worn or stiff.   |
| SEMI-ANNUAL |   | 6                   | SAFETY MEETING RAIL: Rubber bumpers and safety meeting rail should be firmly attached to the upper hoistway door panel and free from wear.  |
|             |   | 14                  | INTERLOCK CONTACTS: Inspect the condition and operation of the Interlock contacts.  |
|             |   | 27                  | GATE CONTACT: Check that the Gate Contact is not actuated when the Gate is in the FULL CLOSED position. Inspect the condition and operation of the contact inside the Gate Contact housing.                 |

\*/ Please consult COURION's CART-MATIC Parts & Maintenance Manual for additional details.