

Electric Lift Maintenance

To keep a lift system running optimally requires preventative maintenance. The following areas need inspected at regular intervals. Conduct these inspections and make the adjustments and repairs to ensure your system runs trouble free preventing expensive downtime. Add all of the following tasks to your preventative maintenance schedule.

Illustration	Softrol Part Number	File Reference
Illustration 1	QR-GTLA-008A	ILL01_QR-GTLA-008A.PDF
Illustration 2	QR-GTLCA-010A	ILL02_QR-GTLCA-010A.PDF
Illustration 3	QR-GTLA-010A	ILL03_QR-GTLA-010A.PDF
Illustration 4	CARRIAGE J007-L010 3STAGE	ILL04_CARRIAGE J007 L010 3STAGE.PDF
Illustration 5	QR-GTLCICRH48LHA	ILL05_QR-GTLCICRH48LHA.PDF

Motor and Drive Assembly

See Illustration 1

Every Three Months

- | | |
|-----------------------------|----------------------------------|
| Motor Drive Bearing | Grease and inspect bearing. |
| Motor Drive Chain Sprockets | Inspect and replace if worn out. |
| Motor Drive Nuts and Bolts | Inspect for tightness and wear. |

Every Six Months

- | | |
|-------------|--|
| Drive Shaft | Inspect drive shaft for fatigue and corrosion. |
| | Clean with light machine oil. |
| | Replace if damaged. |

Chain Tension and Cleaning

See Illustration 2

Every Three Months

Chain Tension and Lubrication	Tighten by tightening the adjusting nut and holding the lock nut (HOLDING NUT) in place. Do both tensions and maintain similar spring height as this will allow even load distribution.
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If spring bottoms out remove 1 link from both chains to shorten chain length.

To lubricate chain, wipe off any debris (lint, dirt, or rust) with lint free cloth and lubricate with Softrol Chain Lube P/N SS-CHAIN-LUB-A which is formulated not to attract lint.

Parts	Replace any parts that have become worn or broken.
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Idler Shaft Bearing Assembly

See Illustration 3

Every Three Months

Idler Shaft Bearing	Inspect and lube.
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Shaft	Ensure the shaft is without debris and is free to move.
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Sprockets	Inspect and replace if worn out.
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Nuts and Bolts	Inspect for tightness and wear.
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Every Six Months

Check shaft for debris and wear.

Wipe down with light machine oil.

Replace worn or damaged components.

Carriage Assembly

See Illustration 4

Every Three Months

Carriage Wheels	Inspect for free operation, wear and debris.
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Wheel Bearings	Inspect for excessive run-out and lubrication.
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Carriage Wheel Track	Inspect for wear and debris. Any deformation requires replacement.
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Safety Brake Rod	Inspect for free rotation and debris.
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Micro Safety Switch	Verify is operational and rod trigger will activate if shaft is rotated a maximum 10-15 degrees.
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Replace worn or inoperative components.

Carriage Rail and Components

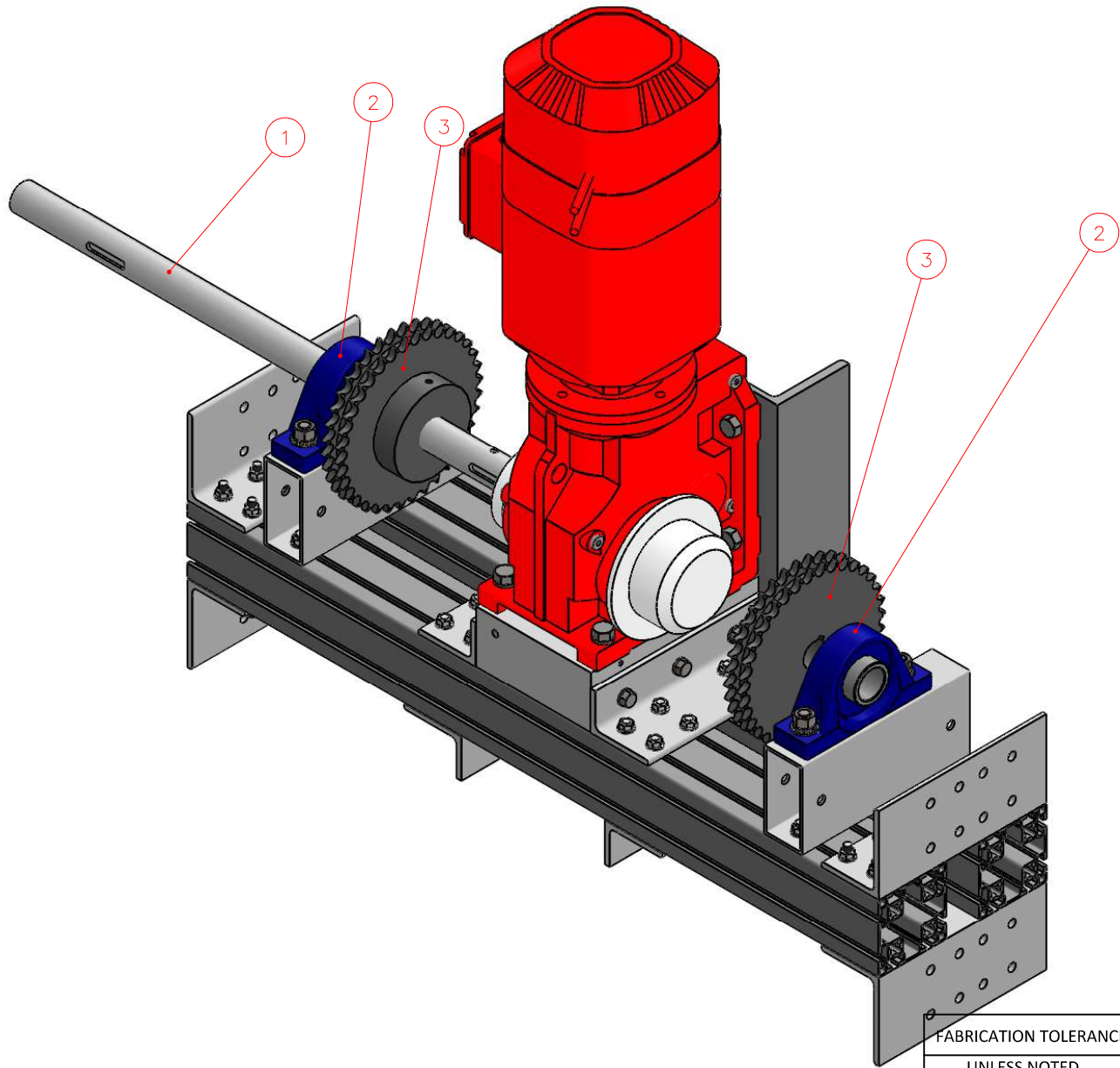
See Illustration 5

Monthly

Live Rail	Inspect live rail (connected to carriage) for proper mating to incoming or outbound stub rail.
Rail Connections	Inspect for coupling securely with alignment pins and concentric. Alignment is achieved when the live rail incoming section joint is level or slightly lower than the incoming stub rail.

Every Three Months

Stop Pins, Non-Return Fingers and Stub Safety Non-Return Fingers	Inspect for proper operation.
	Lubricate
	Replace if worn or evidence of becoming worn.
Indexing Stops	Inspect for operation and verify air cylinders are performing. Repair air leaks and worn components.



ITEM	DESCRIPTION
1	DRIVE SHAFT
2	BEARING
3	SPROCKET

ILLUSTRATION 1

FABRICATION TOLERANCES

UNLESS NOTED
 FRACTIONS $\pm 1/32"$
 DECIMAL $\pm 0.005"$
 ANGULAR $\pm 1/2^\circ$

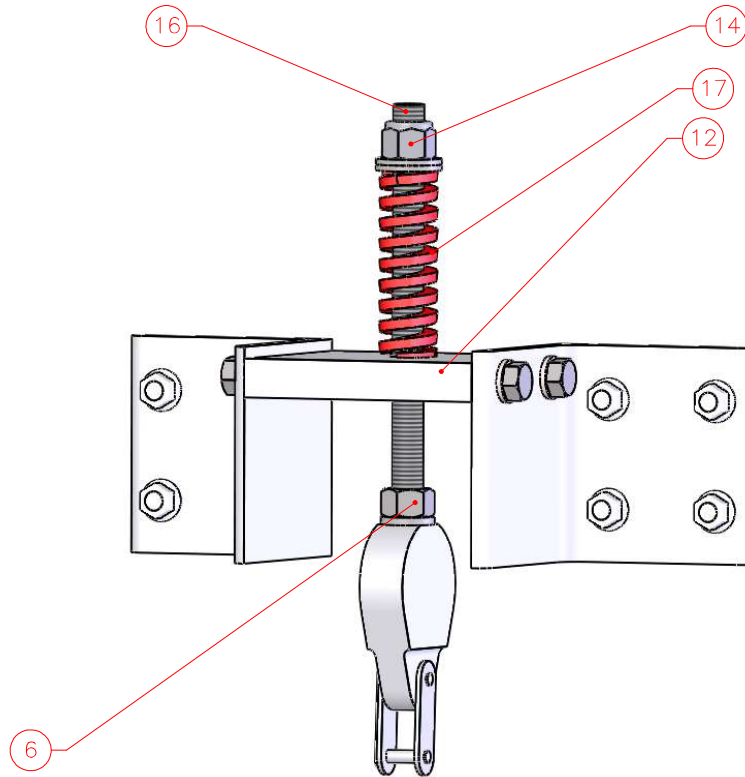
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DRAWN/DESIGNED DLC	DATE 04-21-16
MACHINE SHOP ---	DATE ---
PRODUCTION ---	DATE ---
ENGINEERING ---	DATE ---

SOFTROL	
1100 NORTHPOINT PKWY, ACWORTH, GA.30102 PHONE: 770-974-2700 FAX: 770-974-0435	
TITLE MOTOR DRIVE ASSEMBLY	
SIZE D	PART NO./FILE NAME QR-GTLA-008A
SCALE 1:4	REV A
	SHEET 1

ITEM	DESCRIPTION
14	ADJUSTING NUT
16	THREADED ROD
12	ADJUSTER PLATE
6	HOLDING NUT
17	SPRING TENSIOER

ILLUSTRATION 2



PART NO. QR-GTLCA-010A

Q	DATE	DESCRIPTION	BY
0		ORIGINAL ISSUE	
LTR.		REVISIONS	

FABRICATION TOLERANCES
 UNLESS NOTED
 FRACTIONS $\pm 1/32"$
 DECIMAL $\pm 0.005"$
 ANGULAR $\pm 1/2^\circ$

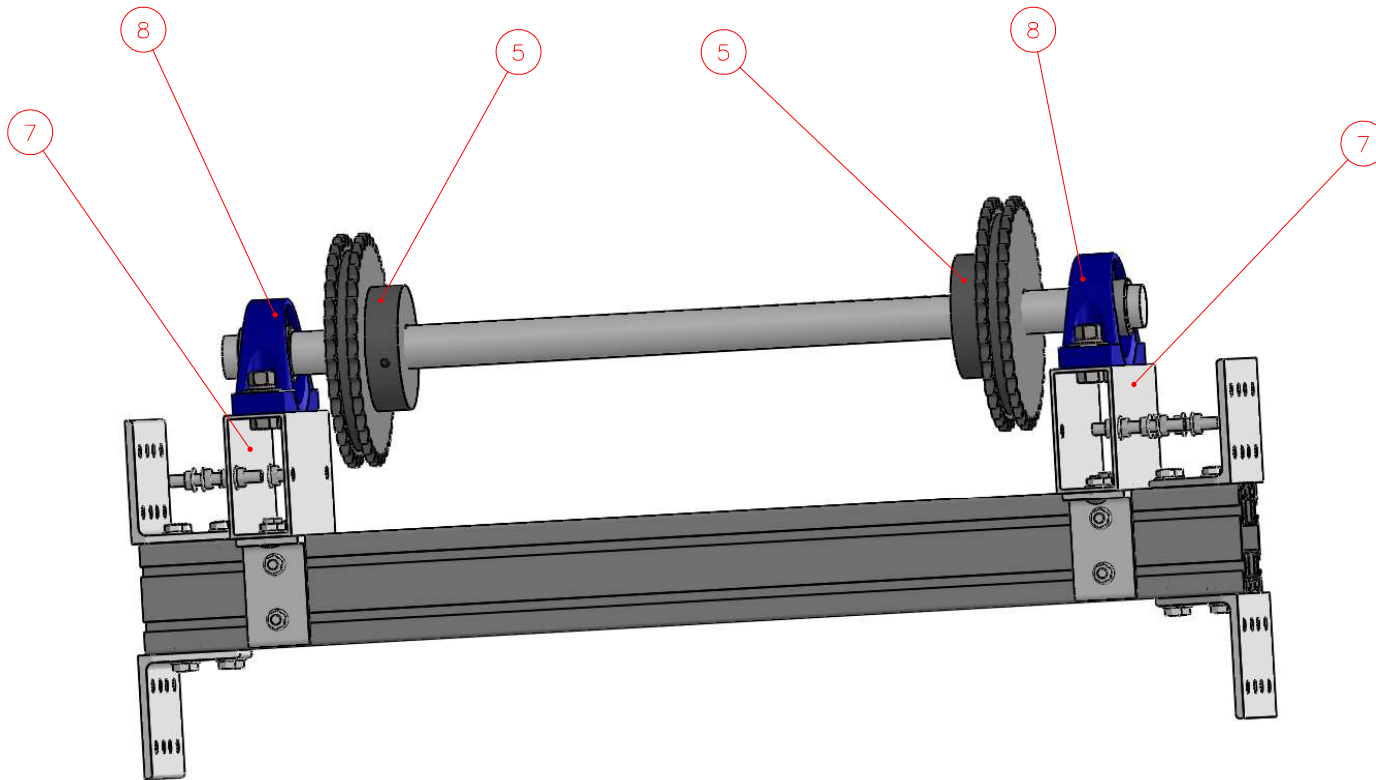
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DRAWN/DESIGNED	DATE
DLC	4-21-16
MACHINE SHOP	----
PRODUCTION	----
ENGINEERING	----

SOFTROL	
<small>1100 NORTHPOINT PKWY, ACWORTH, GA.30102 PHONE: 770-974-2700 FAX: 770-974-0435</small>	
TITLE: CHAIN ADJUSTER ASSY	
SIZE: B	REV: A
PART NO / FILE NAME: QR-GTLCA-010A	
SCALE: 1:2	SHEET: 1

ITEM	DESCRIPTION
5	SPROCKET
7	BEARING TUBE
8	BEARING

ILLUSTRATION 3



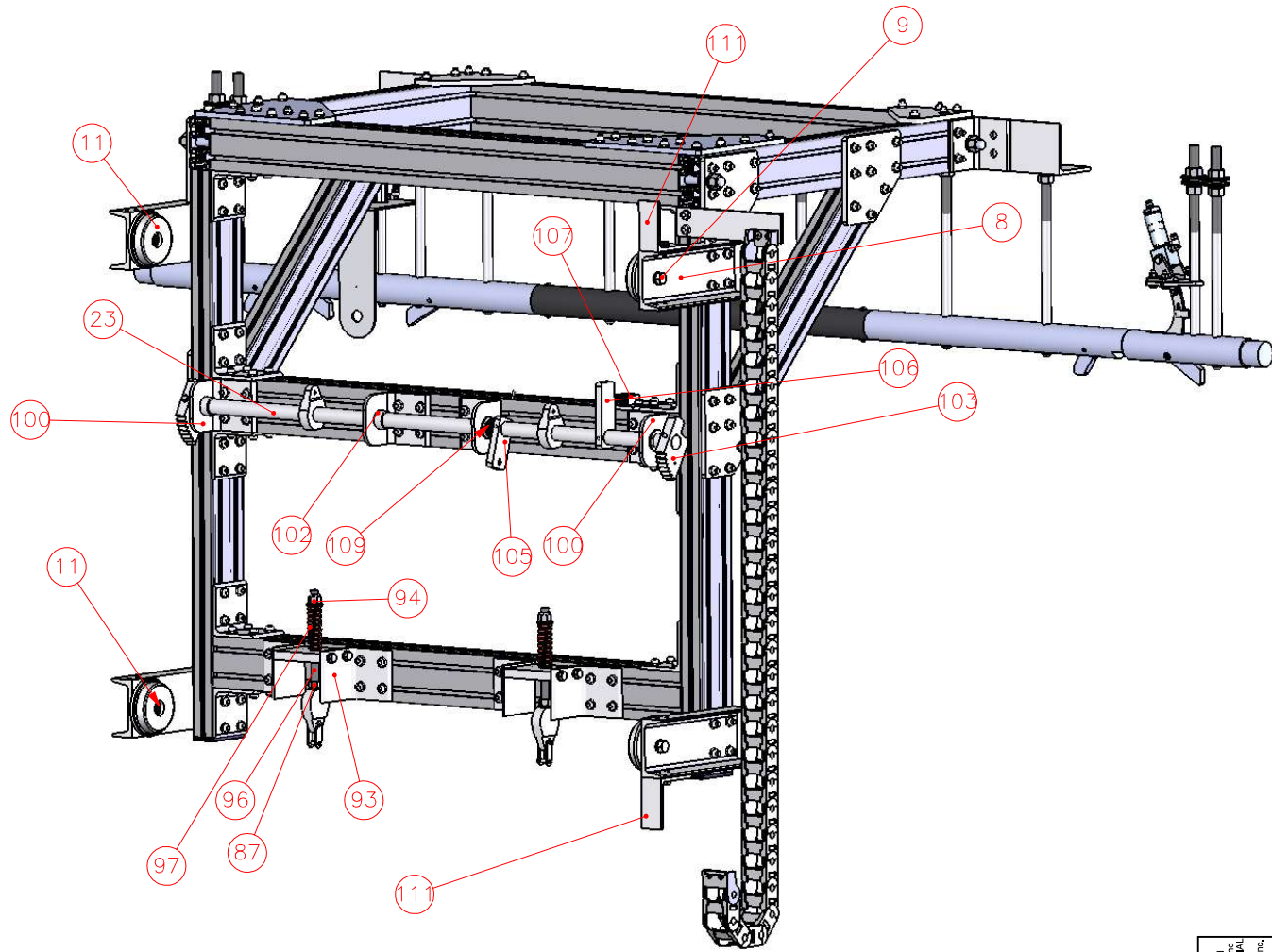
FABRICATION TOLERANCES

UNLESS NOTED
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DRAWN/DESIGNED	DATE
DLC	12-04-15
MACHINE SHOP	----
PRODUCTION	----
ENGINEERING	----

SOFTROL	
1100 NORTHPOINT PKWY, ACWORTH, GA.30102 PHONE: 770-974-2700 FAX: 770-974-0435	
TITLE IDLER ASSEMBLY	
SIZE D	PART NO / FILE NAME QR-GTLA-010A
SCALE 1:4	REV A
	SHEET 1



ITEM	DESCRIPTION
8	CARRIAGE WHEEL STRUT
9	CARRIAGE WHEEL BOLT
11	CARRIAGE WHEEL BEARING & NUT
23	BRAKE ROD
87	HOLDER JAM NUT
93	CHAIN ADJUSTMENT ASSEY
94	ADJUSTING NUT
96	THREADED ROD
97	TENSION SPRING
100	BRAKE ROD SUPPORT
102	BRAKE ROD BUSHING
103	BRAKE BLOCK
105	SPRING TENSION BLOCK
106	SAFETY SWITCH TRIGGER
107	MICRO SAFETY SWITCH
108	BRAKE ROD RELEASE SPRING
111	LIMIT SWITCH TRIGGER

ILLUSTRATION 4

Q	DATE	DESCRIPTION	BY
		ORIGINAL ISSUE	
		REVISIONS	

FABRICATION TOLERANCES

UNLESS NOTED
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 ANGULAR $\pm 1/2^\circ$

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DRAWN/DESIGNED	DATE
DLC	04-21-16
MACHINE SHOP	---
PRODUCTION	---
ENGINEERING	---

SOFTROL	
1100 NORTHPOINT PKWY, ACWORTH, GA.30102 PHONE: 770-974-2700 FAX: 770-974-0435	
TITLE MAINTENANCE ILLUSTRATION	
SIZE B	PART NO / FILE NAME Carriage J007-L010 3STAGE
SCALE 1:4	REV A
	SHEET 1

