

Technical Service Bulletin Revised (10-12)

Bulletin #: LT-2007-001

Date: 28/03/06

Product: ☐ Compressor ☐ Generator ☐ Tools ☒ Light Tower

Subject: Light Tower upgrade kit

Models **SN**
LT6 – 50Hz See table below

349086	355186	355805	359135	361072	365396	365431	365466
349087	355187	355806	359136	361073	365397	365432	365467
349088	355188	355807	359137	361074	365398	365433	365468
349089	355189	355808	359138	361075	365399	365434	365469
349090	355190	355809	359139	361076	365400	365435	365470
349093	355191	355810	359382	361077	365401	365436	365471
349094	355192	355811	359383	361078	365402	365437	365472
349095	355193	355812	359384	361079	365403	365438	365473
353051	355710	355813	359385	361080	365404	365439	365474
353970	355711	355814	359386	361081	365405	365440	365475
353971	355712	355815	359387	361082	365406	365441	366002
353972	355713	355816	359388	361083	365407	365442	366006
353973	355714	355817	359389	361084	365408	365443	366007
353974	355715	359113	359390	361085	365409	365444	366015
353975	355716	359114	359391	361086	365410	365445	366018
353976	355717	359115	359392	361087	365411	365446	366019
353977	355718	359116	359393	361088	365412	365447	366020
353978	355719	359117	359394	365378	365413	365448	366021
353979	355720	359118	359395	365379	365414	365449	366023
354048	355721	359119	359396	365380	365415	365450	366024
354049	355722	359120	359397	365381	365416	365451	366025
354050	355723	359121	359398	365382	365417	365452	366026
354052	355724	359122	359399	365383	365418	365453	370194
354053	355725	359123	359400	365384	365419	365454	370195
354054	355726	359124	359401	365385	365420	365455	370196
354055	355727	359125	359402	365386	365421	365456	
354056	355728	359126	359403	365387	365422	365457	
354057	355729	359127	359404	365388	365423	365458	
354584	355798	359128	361065	365389	365424	365459	
354585	355799	359129	361066	365390	365425	365460	
354586	355800	359130	361067	365391	365426	365461	
354587	355801	359131	361068	365392	365427	365462	
354588	355802	359132	361069	365393	365428	365463	
355184	355803	359133	361070	365394	365429	365464	
355185	355804	359134	361071	365395	365430	365465	

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Part One: Thicker Bumpers



22459390	Pad, wear	2
96746870	Screw M6x30	4
36769032	Nut, hex head	4

Parts



*Remove 2 x old ones with spanner 10mm +
Allen key 4mm*



Install 2 x new and thicker ones

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Part Two: Spring Spacer



23025448	Spacer, spring	1
36880995	Screw HEX FLG M10-1.5X30	2
23056559	Screw, hex M10x70	1
35311463	Screw, hex socket cap head M10x30	1
36879195	Nut, HEX FLANGE M10	2

Parts



Put some Loctite on screws (if available)

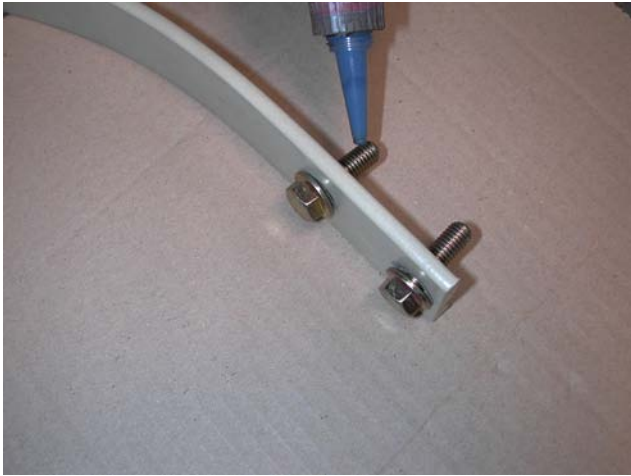


Remove spring with spanner 13 & 15mm



Install spacer

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Put some Loctite on screws (if available)



Finished



Install spring on spacer

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Part Three: New Mast locks

22809230	Latch, mast RH	1
22809248	Latch, mast LH	1
95923314	Nut, hex self-lock .31-18UNC	2

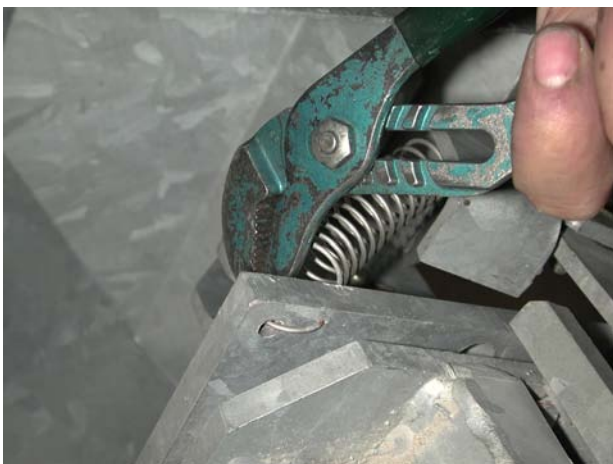
Parts



*Remove bolts for cover with spanner 13mm
(2X)*



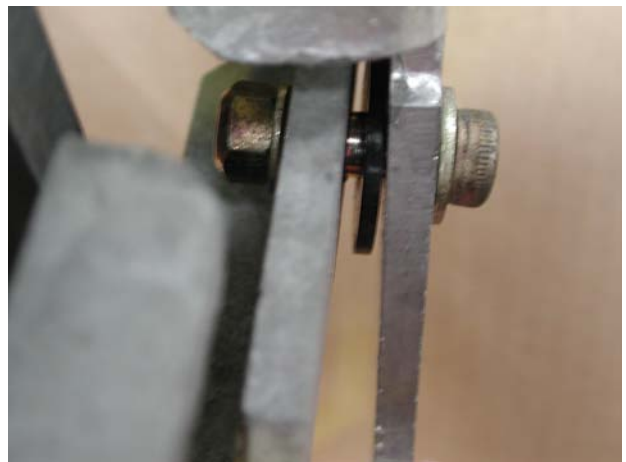
Open cover



Disconnect springs (2X)



*Remove mast locks with spanner 13mm and
Allen key 5mm*



Install new ones

Note the sequence of the washers

- *Install springs*
- *Close cover*
- *Secure with bolts*
- *Test the locks by rising and lowering the mast. Check that the locks fall into the pins.*

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Part Four: Rubber Gutter



22965677	Gasket, hinge	2
36843282	Rivet, .19 Dia	30
22932941	Boot, switch waterproof	4

Parts



*Remove door and drill out rivets from hinges
(9X)*



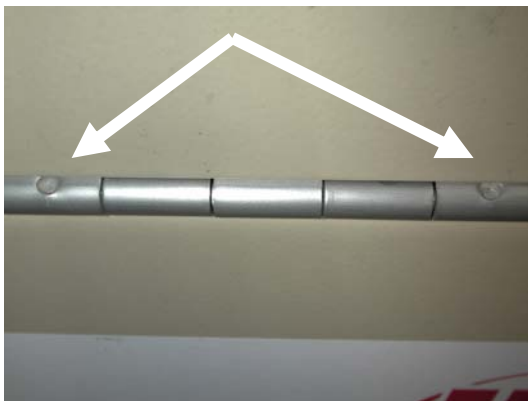
*Drill upper rivets with drill 5 mm and cut head
(6X)*



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Reinstall the hinge together with the rubber as shown above



Make sure that the hinge is in the correct position when you install

Note: small holes on the top!



Install the door on the hinge together with the rubber as shown above

Note: The installation of the rubber gutter can be done by one person but it is advisable to ask for some assistance!



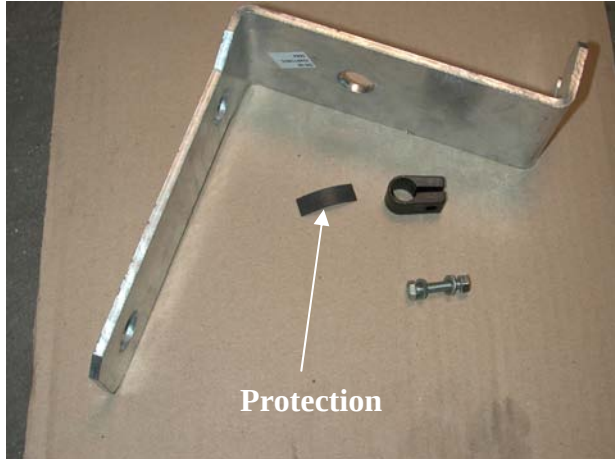
Rivet



Install the boots on the light switches

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Part Five: Cable support



Parts

22481196	Support, Junction box (MM)	1
22955967	Clamp, Cable junction box	2
22979728	Insert, Cable clamp	2
96701461	Screw, M6x25LG, hex hd	2
92829316	Nut, M6	



Install new junction box support and bar



Dismantle the junction box with spanner 30mm



Reinstall junction box on new support



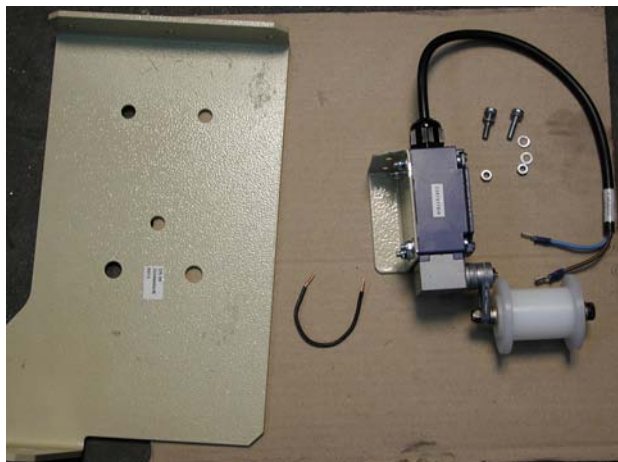
Remove bar with spanner 30mm (2X) and remove junction box support



*Place a cable clamp on each side of the support.
Install first the rubber protection on the cable!*

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Part Six: Cable tensioner



Parts

22972178	Switch	1
22494488	Support, front panel	1
92368687	Screw, M6 X 12	2



Disconnect the two cables of the proximity switch.

Note: the proximity switch can be removed from the machine.



Look for this proximity switch and follow the cable until you reach the connections with the junction box



Install a jumper between the two cables coming from the junction box

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Push the "lower mast" button so that the cable becomes slack on the winch. ± 0.5 meter



Put junction box aside



Disconnect the "-" from the battery



Dismantle the junction box from the support with spanner 10mm



Dismantle winch (5X) with spanner 13mm & 15 mm

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Put winch aside



Install the tensioner switch



Remove old support (3X) spanner 13 mm and install new one using the same bolts.

Note: The bolts are self tapping.

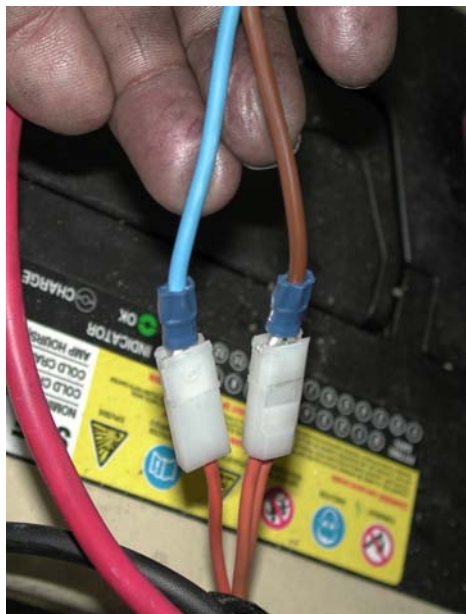


Connect the two wires of the switch to the two wires coming out of the junction box (former proximity switch connection)



Reinstall the winch

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There is no polarity. Do not mind the colors!



Reconnect the “-“ of the battery



Reinstall the junction box with spanner 10 mm



Carefully roll up the cable on the winch! Make sure the cable does not get pinched during the roll-up!

- Test the full operation of the light tower

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Part Seven: Cable guards

