

Justification Belt- 906-00625

41 ± 1Hz

40-42Hz

41 ± 1Hz

Symbot 1.0 Traveler

BOT REMOVAL/QUICK TURN (THIS PAGE - MUST BE COMPLETED)

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Belt Damaged? Yes \bigcirc / No \bigcirc

Symbolic			-				MAINTE	NANCE N	EEDED (REAR PAGE - IF	REQ'D)			ノ
					System	Operator:							
					Bot Rem	oval Data							
вот#		Pull Score				which level and isle, charger, etc.)	Date/Time:						
# of Inductions (Last	: Weeks)					# of Removals (Last 2 weeks)							
					REASON FO	R REMOVAL							
	From Qlik, co	py/paste the De	etailed Descript	ion of the Alarr	m(s) from the F	ull Score or Out	of Structure Pull S	core sheet	on the Bot Diagnostics report				
			IF APPL	ICABLE - NON I	PULL SCORE RE	ASONS (System	Flag, Disconnect, e	etc.)					
			E	Bot Lift Ope	rator - Quicl	k Turn/Bot R	emoval/PM:						
						OT CLEANIN							
Remove case (if appli	cable)	Complete 🔾		Cleaned all Sen	sors (Lens Wipe	2)	Cleaned Charge Pad Plat	Charge Pad Plates (bot off)			Complete (
Cleaned BOT Cove	ers	Complete 🔾	(Cleaned all Cam	neras (Lens Wip	e)	Complete	0	Compressed air to dislo	dge debris	ebris Complete 🔾		
Cleaned Payload E	Зау	Complete 🔾		Cleaned Pulle	eys and Rollers		Complete	0	Cleaned Pick/Justificat	on Arms		Comple	ete 🔾
				SECTI	ION 2 - PHY	SICAL INSPEC	TION						
Verify Ex	tension Home A	Alignment		Pass 🔘	/ Fail 🔘		Verify E-stop button is functional			Pass	0	/ Fail	0
Inspect Junction	Box for damage	e or Wire Conta	ct	Pass 🔘	/ Fail 🔘	O Inspect Rear and Front Bumper for damage and straightr				Pass	0	/ Fail	0
Inspect covers for dam	age that interfe	eres with bot op	eration	Pass 🔾	/ Fail 🔘		Verify pa	yload bay is	level	Pass	0	/ Fail	0
Inspect lift tower for nor				Pass 🔾	/ Fail 🔘	Inspi	Inspect pop-up trays and pop-up tray bolts for damage				0	/ Fail	0
Inspect Guide Roller	Pass 🔾	/ Fail 🔘					Pass	0	/ Fail	0			
Inspect Camera Bracke	ets for damage	and parallelism		Pass 🔾	/ Fail 🔘		·	k Arms for d	amage	Pass	0	/ Fail	0
		4 151 .		SECTION 3	- WHEEL/ SI	JSPENSION I			151 1 1 2 (0 0 0 II)				
Frank Loft	Guide W	/heel Diameter	≥ 48mm	F	. Diabe	Caster Wheel Diameter ≥ 82mm (3.23")							
Front Left Pass () / Fail ()	*	* 1 × 3	4		t Right / Fail ()	Front Left Pass / Fail Pass / Fail							
Rear Left Pass () / Fail ()				Rear	Right / Fail ()		embly Swivels Free	±l∨	RIGHT	Caster Ass	embly		s Freely
	Drive Whee	l Diameter ≥ 19	5mm (7.67")					Ride H	eight Distance Check				
Rear Left Pass / Fail Pass / Fail													
							Ride Height: 8mm ± 1.0mm Pass ○ / Fail ○ (12mm ± 1.0mm for new wheels)						
SECTION 4 - BELT/CHAIN INSPECTION 1. Checking a used belt in a bot (without loosening it), if it falls within the "Used Range", do not touch it. 2. Used belt that has been re-installed for some reason should be tensioned to "Used Re-Tension" 3. "New" refers to newly installed belts/cables, it does not refer to belts/cables on newly received bots onsite.													
Axis + P/N	New	Used Range	Used Re- Tension				Measurement	Readings &	Condition				
Lift Tower Belt - 100-07350	55 ± 1Hz	44-55Hz	45Hz ± 1Hz	Front:			Rear:		Belt Dama	ged? Yes	0	/ No	0
Front Lift Cables - 400-01361	80 ± 5Hz	75-85Hz	80 ± 5Hz	Left Side:			Right Side:		Cable Dama	aged? Yes	0	/ No	0
	80 ± 5Hz	75-85Hz	80 ± 5Hz	Left Side:			Right Side:		Cable Dama	and Vo		/ 51 -	\cap

Extension Belt - 906-00616 47 ± 1Hz 36-47Hz 37Hz ± 1Hz Front: Rear: Belt Damaged? Yes \(\) / No \(\)

If <u>any</u> failed tests occur, the bot must be red tagged and sent to Maintenance for further troubleshooting!

					ſ	Maintenanc	e Techniciar	1:				
					RECEI	NT SERVICE,	ACTION RE	CORD				
Tech: PRINTE	D NAME	DATE	TIME	WORK ORDER				REMOVED / TRIAGED /	CLEANED			
					BOT T	ROUBLESHO	OOTING CHE	CKLIST				
1 Check for lift bearing damage and belt skip 22 Clean CED/CYD/COH sensors												
			nise payload l		<u> </u>		23					
2								Put locking pins in				
3		Install	fall protection	on pins			24	Cc	Connect to Symdart			
4	·			lift motor drive			25			ndling components work		
5	Inspect bum		00393) for wo	ear, if there is v ur	wear on any		26	Adjust CED/CYD sensors	to the middle o calibration jig	of the square holes on the		
6	Inspe	ct holding bol	t on lift cable	es, tighten if ne	eeded		27	(Calibrate senso	rs		
7	Inspect lift to	wer guide rol	lers for wear missing	, verify they ar	en't loose or		28	Ri	Run pick/place test			
8		Check fo	r missing pay	load bolts			29	Tal	Take out locking pins			
9	Thoroughly wipe down everything under payload bay						30	Run Caster te	aster test and clean/inspect wheels			
10	Verify justification belt (906-00625) is at 40-42 Hz						31	Clean front bumper	n front bumpers/guide wheels and replace if worn			
11	Loosen and retighten coupling screw on cross shaft						32	Inspect and clean Front	Inspect and clean Front LFS (410-02562) with a clean dry cloth			
12		Remov	e fall protect	ion pins			33	Ensure Tra				
13		Lower pa	ayload bay ba	ack down.			34	Run Traction Drive test				
14	Check tensi	ons of all lift o	ables, ensure	e each cable is	at 75-85 Hz		35	Clean rear bumpers (185- 00610				
15	Check tensions of lift belts (100-07350), ensure belts are at 44-55						36	Inspect and clean rear LFS (410-02562) with a clean dry cloth				
16	Hz on pick side Check for gap in extension axis and wear in extension assembly bearings						37	Clean slot sensor (310-00025) with a clean dry cloth, verify it is facing down				
17	Check tensions of extension belts, ensure belts are at 36-47 Hz						38	С	Clean charge pads			
18	Verify both J-arms reach the home position and have full range of motion						39	Run LFS test 3-5 times, replace LFS (410-02562) or ECU (410-02774) if necessary				
19	Turn on bot					40	Disconnect bot					
20	Thoroughly wipe down bot, blower can be used to get dust that is in hard-to-reach spots				41	Turn bot off						
21				Il Linear Rails			42	Verify stepper or 3-axis lights aren't on, this could indicate a bad PDU (410-02540)				
COMMONLY USED PART NUMBERS												
Traction Drive Wheel 185-00652 Ultracapacitor Module		365-00905	Floating	Bumper (Non-Pick Side)	185-00488	PDU Assembly	410-02540					
Guide Wheel 185-00610 Lower Rear Suspension Link		100-07106	Guide Roller Assembly Non-Pick Side 410-02702 Network Brid		Network Bridge	360-00051						
ESD Caster Wh	ESD Caster Wheel Assy (Blue) 410-02864 Caster Assembly Non-Pick Side			410-02713	Guide R	oller Assembly Pick Side	410-02703	Front Cover Assembly	410-02657			
Caster Wheel Assy (Grey) 410-02534 Caster Assembly Pick Side				410-02712	Fixe	d Bumper (Pick Side)	185-00023	Rear Cover Assembly	410-02658			
Front I	Bumper	195-04676	Left Traction	n Motor Assembl	ly, AMA Drive	410-02704	Right Traction	n Motor Assembly, AMA Drive	410-02524	Front Lift Tower Assembly	410-02693	
			Line Fo	llowing Sensor A	ssembly	410-02562				Rear Lift Tower Assembly	410-02694	