



# HYDRAROLL MARK 21 TWIN ROLLER PNEUMATIC ROLLER TRACK PARTS MANUAL



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# MARK 21 ROLLER TRACK SYSTEM

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CLICK ON THE DESCRIPTION OR PAGE NUMBER.**

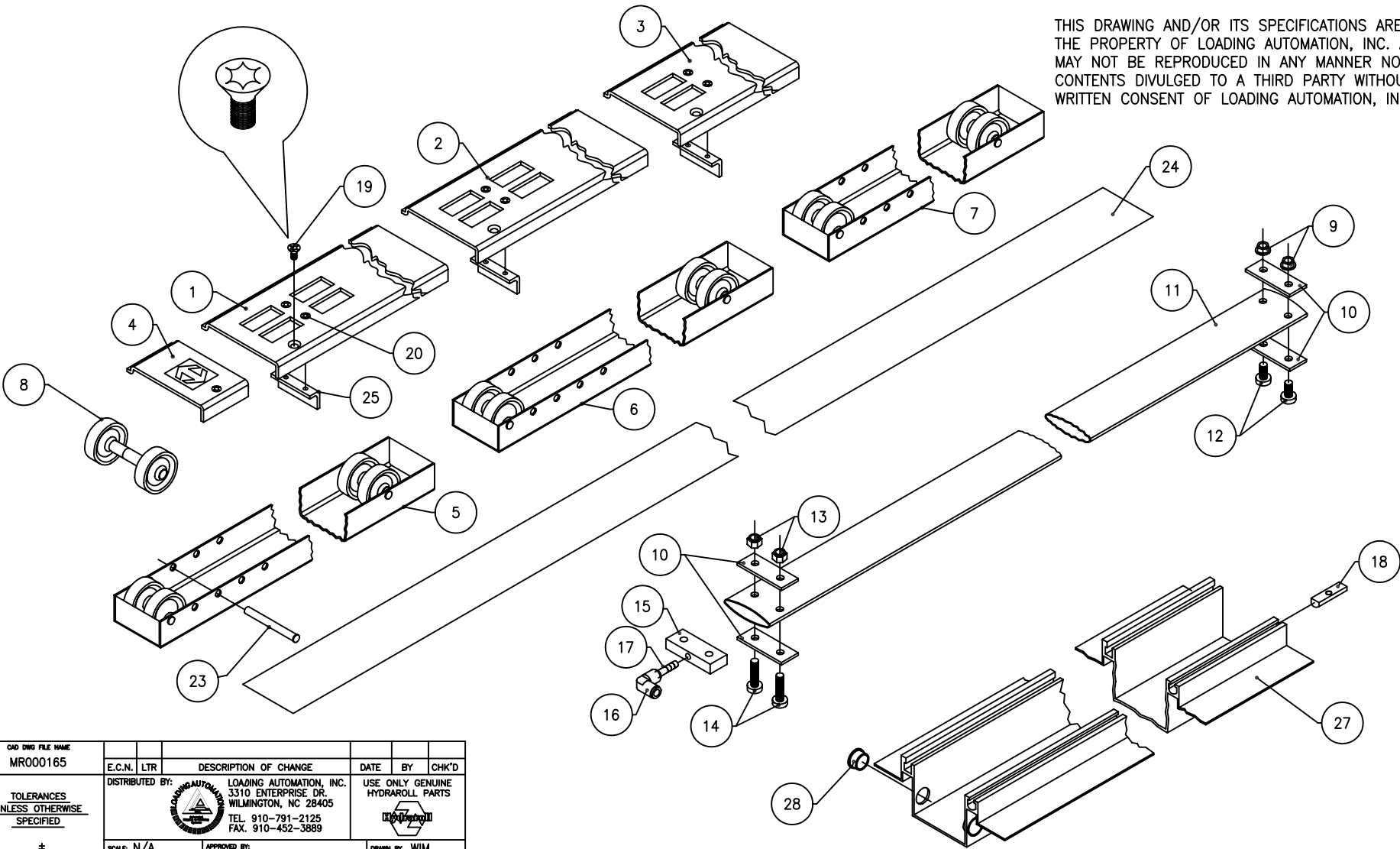




**MARK 21 TWIN ROLLER,  
SERIES 6, WINGED MODULES W/  
QUICK RELEASE TOP PLATES**



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CNO DWG FILE NAME MR000165		E.C.N.	LTR	DESCRIPTION OF CHANGE	DATE	BY	CHK'D
<u>TOLERANCES</u> <u>UNLESS OTHERWISE</u> <u>SPECIFIED</u>		DISTRIBUTED BY:  LOADING AUTOMATION, INC. 3310 ENTERPRISE DR. WILMINGTON, NC 28405 TEL. 910-791-2125 FAX. 910-452-3889			USE ONLY GENUINE HYDRAROLL PARTS 		
		SCALE: N/A			DRAWN BY: WIM		
.XX ±		DATE: 2/27/06			ISSUED		
.XXX ±		MK21, SERIES 6 WINGED ROLLER TRACK					
ANGLES ±							
DO NOT SCALE DRAWING		(2005-PRESENT)			DRAWING NUMBER MR000165		



ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1 **	TOP PLATE; MK20/MK21; SERIES 6; QR 4 3/8" W X 61.81" L; 6.375" PITCH (10 TWIN ROLLERS)	801020	1
2 **	TOP PLATE; MK20/MK21; SERIES 6; QR 4 3/8" W X 55.81" L; 6.375" PITCH (8 TWIN ROLLERS)	801026	1
4	LOGO PLATE; MK4/MK20/MK21, QR 4 3/8" W x 2 3/8" L	741043	1
5	ROLLER CHANNEL ASSEMBLY (COMPLETE W/ROLLERS) MK21, SERIES 6; 6.375" PITCH (10 TWIN ROLLERS)	802020	1
6	ROLLER CHANNEL ASSEMBLY (COMPLETE W/ROLLERS) MK21, SERIES 6; 6.375" PITCH (8 TWIN ROLLERS)	802026	1
8	ROLLER; MK20/MK21; 2" DIA X 5/8" WIDE HEAVY DUTY	803003	36
9 *	NUT; 8mm FLANGED	ASSEMBLY ONLY	2
10 *	CLAMP PLATE; 2 1/2" WIDE	ASSEMBLY ONLY	4
11	AIR BAG; 2 1/2" FLAT RED STANDARD	760006	10'-0"
12 *	SCREW; 8mm-20 x 16mm	ASSEMBLY ONLY	2
13 *	NYLON LOCKNUT; 8mm	ASSEMBLY ONLY	2
14 *	SCREW; 8mm-20 x 30mm	ASSEMBLY ONLY	2
15 *	RUBBER INSERT PLUG; 2 1/2" WIDE	763007	1
16 *	ELBOW; 5/16" OD	773010	1
17 *	BARBED INSERT FITTING	763015	1
18	NUT BAR; 6mm	944004	9
19	TOP PLATE SCREW; 6mm x 15mm TORX DRIVE (T30)	943003	9
20	SCREW; M5 x 11 POSI DRIVE	940027	4
23	ROLLER PIN; MARK 20; 2.75" LONG	743001	24
24	ACETAL STRIP; 2 -13/16" WIDE	714007	11'-0"
25	GUIDE ANGLE	741038	4
26	10'-0" AIR BAG ASSY (ITEMS 9-17) 2.5" FLAT; RED	760061	1
27	MAIN CHANNEL; M21,S6W 10'-0" L WINGED	804005	1
28	AIR LINE GROMMET, MAIN CHANNEL	714004	2
MODULE; MK21; S6W; 10'-0"; 6.375"P COMPLETE; 5/16" ELBOW 800014			
*	2.5" AIRBAG CLAMP KIT W/ ELBOW (ITEMS 9, 10, 12-17)	762004	1
**	INCLUDES ITEMS 20 AND 25		

PLEASE REFERENCE DRAWING MR000165 FOR ASSEMBLY

CAD DWG FILE NAME MR000165A		A		UPDATED ITEMS #1, 2, 4, 5, 6, & 8		3/14/06		WIM					
TOLERANCES UNLESS OTHERWISE SPECIFIED		E.C.N.		LTR		DESCRIPTION OF CHANGE		DATE		BY		CHK'D	
						DISTRIBUTED BY:  LOADING AUTOMATION, INC. 3310 ENTERPRISE DR. WILMINGTON, NC 28405 TEL. 910-791-2125 FAX. 910-452-3889		USE ONLY GENUINE HYDRAROLL PARTS 					
.XX ±		SCALE: N/A		APPROVED BY:				DRAWN BY		WIM			
.XXX ±		DATE: 2/27/06		E.C.N.:				ISSUED					
ANGLES ±		MK21,SERIES 6W; QRTP (2005-PRESENT)											
DO NOT SCALE DRAWING		10'-0" MODULES						DRAWING NUMBER MR000165A					



ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1 **	TOP PLATE; MK20/MK21; SERIES 6; QR 4 3/8" W X 61.81" L; 6.375" PITCH (10 TWIN ROLLERS)	801020	1
1 **	TOP PLATE; MK20/MK21; SERIES 6; QR 4 3/8" W X 61.81" L; 3.16" PITCH (19 TWIN ROLLERS)	801016	1
2 **	TOP PLATE; MK20/MK21; SERIES 6; QR 4 3/8" W X 61.81" L; 6.375" PITCH (10 TWIN ROLLERS)	801020	1
2 **	TOP PLATE; MK20/MK21; SERIES 6; QR 4 3/8" W X 61.81" L; 3.16" PITCH (19 TWIN ROLLERS)	801016	1
4	LOGO PLATE; MK4/MK20/MK21, QR 4 3/8" W x 2 3/8" L	741043	1
5 **	ROLLER CHANNEL ASSEMBLY (COMPLETE W/ROLLERS) MK20/MK21, SERIES 6; 6.375" PITCH (10 TWIN ROLLERS)	802020	1
5 **	ROLLER CHANNEL ASSEMBLY (COMPLETE W/ROLLERS) MK20/MK21, SERIES 6; 3.16" PITCH (19 TWIN ROLLERS)	802016	1
6 **	ROLLER CHANNEL ASSEMBLY (COMPLETE W/ROLLERS) MK20/MK21, SERIES 6; 6.375" PITCH (10 TWIN ROLLERS)	802020	1
6 **	ROLLER CHANNEL ASSEMBLY (COMPLETE W/ROLLERS) MK20/MK21, SERIES 6; 3.16" PITCH (19 TWIN ROLLERS)	802016	1
8	ROLLER; MK20/MK21; 2" DIA X 5/8" WIDE HEAVY DUTY	803003	40
9 *	NUT; 8mm FLANGED	ASSEMBLY ONLY	2
10 *	CLAMP PLATE; 2 1/2" WIDE	ASSEMBLY ONLY	4
11	AIR BAG; 2 1/2" FLAT RED STANDARD	760006	10'-6"
12 *	SCREW; 8mm-20 x 16mm	ASSEMBLY ONLY	2
13 *	NYLON LOCKNUT; 8mm	ASSEMBLY ONLY	2
14 *	SCREW; 8mm-20 x 30mm	ASSEMBLY ONLY	2
15 *	RUBBER INSERT PLUG; 2 1/2" WIDE	763007	1
16 *	ELBOW; 5/16" OD	773010	1
17 *	BARBED INSERT FITTING	763015	1
18	NUT BAR; 6mm	944004	9
19	TOP PLATE SCREW; 6mm x 15mm TORX DRIVE (T30)	943003	9
20	SCREW; M5 x 11 POSI DRIVE	940027	8
23	ROLLER PIN; MARK 20; 2.75" LONG	743001	24
24	ACETAL STRIP; 2 -13/16" WIDE	714007	11'-6"
25	GUIDE ANGLE	741038	4
26	10'-6" AIR BAG ASSY (ITEMS 9-17) 2.5" FLAT; RED	760060	1
27	MAIN CHANNEL; MK21,S6 10'-6" L WINGED	804006	1
28	AIR LINE GROMMET,MAIN CHANNEL	714004	2
	MODULE; MK21; S6W; 10'-6"; 6.375"P COMPLETE; 5/16" ELBOW	800017	
	MODULE; MK21; S6W; 10'-6"; 3.16"P COMPLETE; 5/16" ELBOW	800016	
*	2.5" AIRBAG CLAMP KIT W/ ELBOW (ITEMS 9, 10, 12-17)	762004	1
**	INCLUDES ITEMS 20, 21, AND 25		

PLEASE REFERENCE DRAWING MR000165 FOR ASSEMBLY

CAD DWG FILE NAME MR000165B		A	UPDATED ITEMS #1, 2, 4, 5, 6, & 8		3/14/06	WIM	
E.C.N.		LTR	DESCRIPTION OF CHANGE		DATE	BY	CHK'D
<u>TOLERANCES</u> UNLESS OTHERWISE SPECIFIED  .XX ± .XXX ± ANGLES ±		DISTRIBUTED BY:  LOADING AUTOMATION, INC. 3310 ENTERPRISE DR. WILMINGTON, NC 28405 TEL. 910-791-2125 FAX. 910-452-3889			USE ONLY GENUINE HYDRAROLL PARTS 		
		SCALE: N/A		APPROVED BY:		DRAWN BY: WIM	
		DATE: 2/27/06		E.C.N.:		ISSUED	
		MK21,SERIES 6W; Q RTP (2005-PRESENT)					
DO NOT SCALE DRAWING		10'-6" MODULES			DRAWING NUMBER MR000165B		

ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1 **	TOP PLATE; MK20/MK21, SERIES 6; QR 4 3/8" W x 61.81" L; 3.16" PITCH (19 ROLLERS)	801016	1
1 **	TOP PLATE; MK20/MK21, SERIES 6; QR 4 3/8" W x 61.81" L; 6.375" PITCH (10 ROLLERS)	801020	1
2 **	TOP PLATE; MK20/MK21, SERIES 6; QR 4 3/8" W x 61.81" L; 3.16" PITCH (19 ROLLERS)	801016	1
2 **	TOP PLATE; MK20/MK21, SERIES 6; QR 4 3/8" W x 61.81" L; 6.375" PITCH (10 ROLLERS)	801020	1
3 **	TOP PLATE; MK20/MK21, SERIES 6; QR 4 3/8" W X 30" L; 3.16" PITCH (9 ROLLERS)	801021	1
3 **	TOP PLATE; MK20/MK21, SERIES 6; QR 4 3/8" W X 30" L; 6.5" PITCH (5 ROLLERS)	801022	1
4	LOGO PLATE; MK4/MK20/MK21, QR 4 3/8" W x 2 3/8" L	741043	1
5	ROLLER CHANNEL ASSEMBLY (COMPLETE W/ROLLERS) MARK 21, SERIES 6; 3.16" PITCH (19 ROLLERS)	802016	2
5	ROLLER CHANNEL ASSEMBLY (COMPLETE W/ROLLERS) MARK 21, SERIES 6; 6.375" PITCH (10 ROLLERS)	802020	1
6	ROLLER CHANNEL ASSEMBLY (COMPLETE W/ROLLERS) MARK 21, SERIES 6; 3.16" PITCH (19 ROLLERS)	802016	1
6	ROLLER CHANNEL ASSEMBLY (COMPLETE W/ROLLERS) MARK 21, SERIES 6; 6.375" PITCH (10 ROLLERS)	802020	1
7	ROLLER CHANNEL ASSEMBLY (COMPLETE W/ROLLERS) MARK 21, SERIES 6; 3.16 PITCH (9 ROLLERS)	802021	1
7	ROLLER CHANNEL ASSEMBLY (COMPLETE W/ROLLERS) MARK 21, SERIES 6; 6.375" PITCH (5 ROLLERS)	802022	1
8	ROLLER; MK20/MK20; 2" DIA X 5/8" WIDE HEAVY DUTY	803003	50 or 94
9 *	NUT; 8mm FLANGED	ASSEMBLY ONLY	2
10 *	CLAMP PLATE; 2 1/2" WIDE	ASSEMBLY ONLY	4
11	AIR BAG; 2 1/2" FLAT RED STANDARD	760006	13'-0"
12 *	SCREW; 8mm-20 x 16mm	ASSEMBLY ONLY	2
13 *	NYLON LOCKNUT; 8mm	ASSEMBLY ONLY	2
14 *	SCREW; 8mm-20 x 30mm	ASSEMBLY ONLY	2
15 *	RUBBER INSERT PLUG; 2 1/2" WIDE	763007	1
16 *	ELBOW; 5/16" OD	773010	1
17 *	BARBED INSERT FITTING	763015	1
18	NUT BAR; 6mm	944004	12
19	TOP PLATE SCREW; 6mm x 15mm TORX DRIVE (T30)	943003	12
20	SCREW; M5 x 16 TORX DRIVE	940027	12
21	NUT; BINX; M5	941017	N/A
23	ROLLER PIN; MARK 20; 2.75"	743001	29 or 57
24	ACETAL STRIP; 2 -13/16" WIDE	714007	14'-0"
25	GUIDE ANGLE	741038	6
26	13'-0" AIR BAG ASSY (ITEMS 9-17) 2.5" FLAT; RED	760057	1
27	MAIN CHANNEL; MK21, S6W, 13'-0" L WINGED	804001	1
28	AIR LINE GROMMET	714004	2
	MODULE; MK21; S6W; 13'-0"; 3.16"P COMPLETE	800022	
	MODULE; MK21; S6W; 13'-0"; 6.375"P COMPLETE	800011	
*	2.5" AIRBAG CLAMP KIT W/ ELBOW (ITEMS 9, 10, 12-17)	762004	1
**	INCLUDES ITEMS 20, 21, AND 25		

PLEASE REFERENCE DRAWING MR000165 FOR ASSEMBLY

CAD DWG FILE NAME MR000165C		UPDATED ITEMS #1, 2, 3, 4, 5, 6, 7, & 8		3/14/06	WIM	
E.C.N.	LTR	DESCRIPTION OF CHANGE		DATE	BY	CHK'D
TOLERANCES UNLESS OTHERWISE SPECIFIED  .XX ± .XXX ± ANGLES ±		DISTRIBUTED BY:  LOADING AUTOMATION, INC. 3310 ENTERPRISE DR. WILMINGTON, NC 28405 TEL. 910-791-2125 FAX. 910-452-3889		USE ONLY GENUINE HYDRAROLL PARTS 		
SCALE: N/A		APPROVED BY:		DRAWN BY WIM		
DATE: 2/27/06		E.C.N.:		ISSUED		
MK21, SERIES 6W; QRTP (2005-PRESENT)						
DO NOT SCALE DRAWING		13'-0" MODULES		DRAWING NUMBER MR000165C		

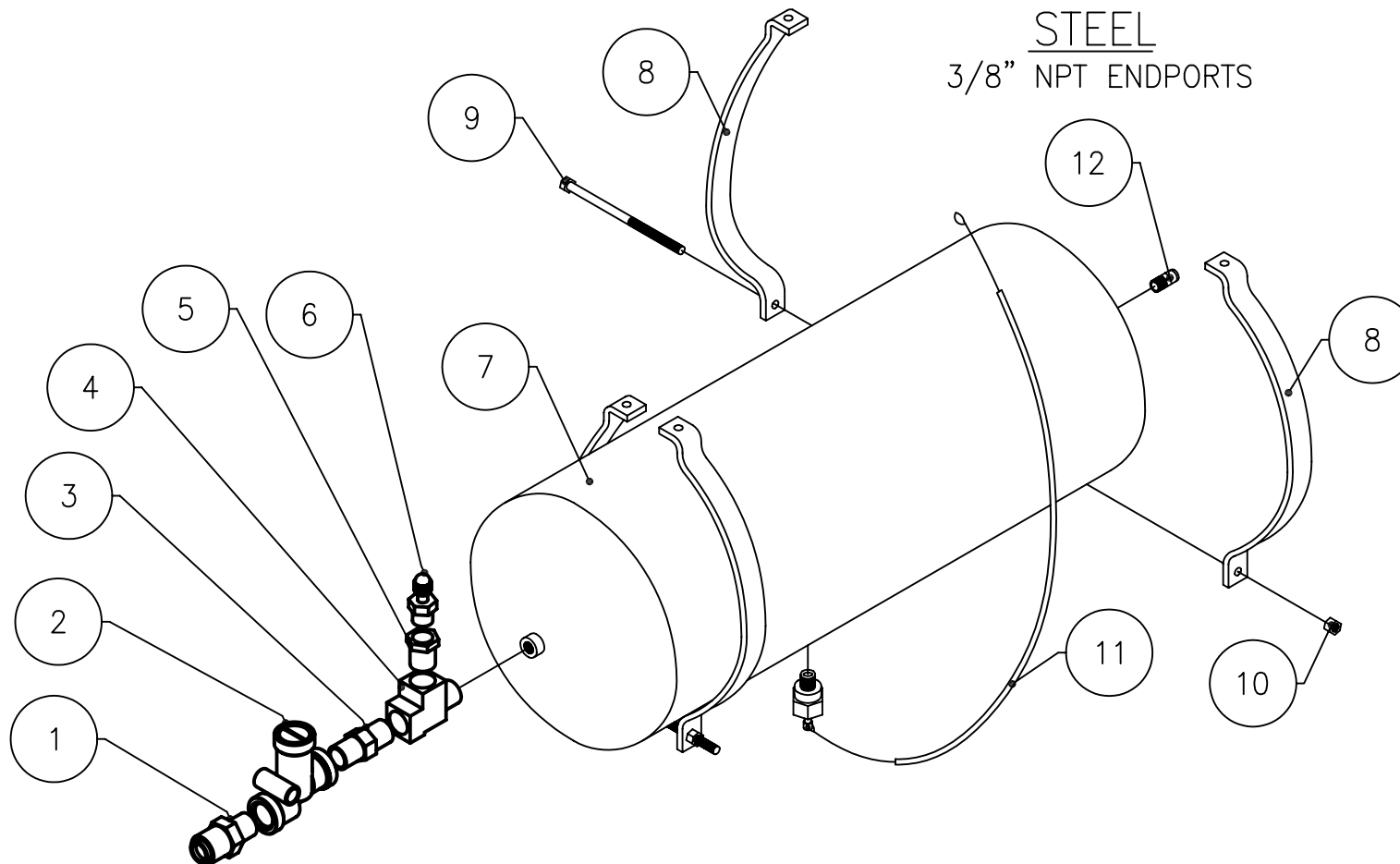






## COMMON COMPONENTS ROLLER TRACK SYSTEM





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CAD DWG FILE NAME MR000083		E.C.N.	LTR	DESCRIPTION OF CHANGE		DATE	BY	CHK'D
<u>TOLERANCES</u> UNLESS OTHERWISE SPECIFIED		DISTRIBUTED BY: 		LOADING AUTOMATION, INC. 3310 ENTERPRISE DR. WILMINGTON, NC 28405  TEL. 910-791-2125 FAX. 910-452-3889		USE ONLY GENUINE HYDRAROLL PARTS 		
.XX ±	SCALE: N/A		APPROVED BY:		DRAWN BY: WIM			
.XXX ±	DATE: 7/7/05		E.C.N.:		ISSUED			
ANGLES ±	AIR TANK ASSEMBLY W/PPV							
DO NOT SCALE DRAWING				DRAWING NUMBER MR000083				

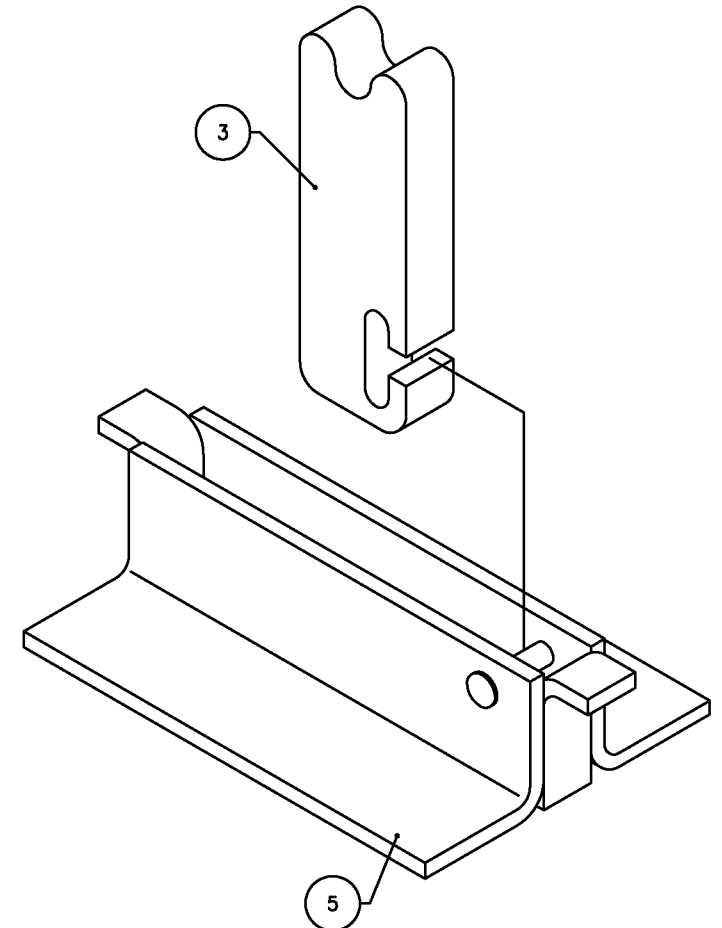
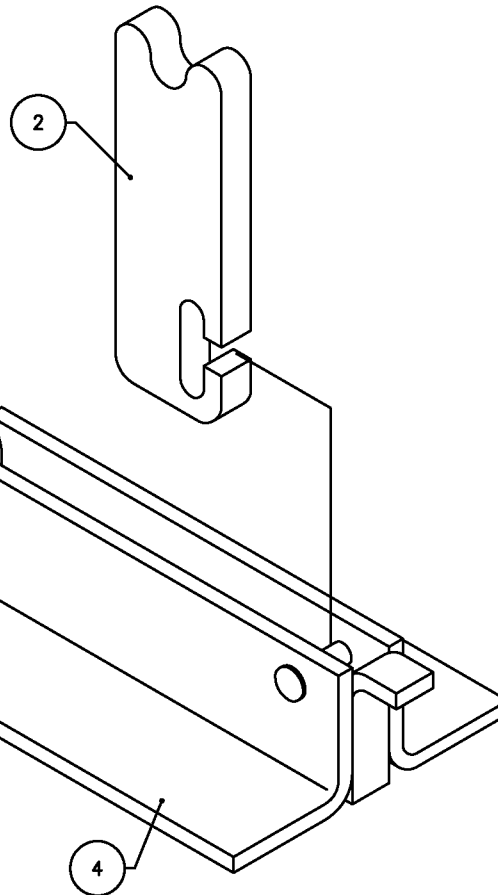
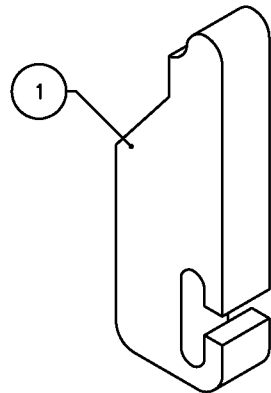
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ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1	STUD CPLG; D.O.T.; 3/8 NPT X 3/8 TUBE	775010	1
2	PRESSURE PROTECTION VALVE (PPV) BODY; 3/8" X 3/8" NPT	772004	1
3	NIPPLE: HEX; BRASS 3/8" NPT X 3/8" NPT	774017	1
4	TEE; BRASS; 3/8" MALE X 3/8" FEMALE X 3/8" FEMALE NPT	774016	1
5	REDUCING BUSHING; BRASS; 3/8" NPT - 1/8" NPT	774015	1
6	AUX. INFLATE VALVE (AIV); SCHRADER TYPE; 1/8" NPT	772028	1
7	STEEL AIR TANK RESERVOIR W/ 3/8" NPT ENDPORTS	770002	1
8	BRACKET; STEEL 2 PC.; 12" STEEL	770003	2
9	BOLT; HEX HEAD; 3/8" FULL THREAD X 6" LONG	770004	2
10	NUT; NYLOC; 3/8"	941009	2
11	DRAIN VALVE; 1/4" NPT; WITH CABLE	770008	1
12	STUD COUPLING; 5/16" T x 3/8" NPT	773017	1
AIR TANK ASSEMBLY (ITEM #7-12) JUNE 1996-PRESENT		770000	1
PRESSURE PROTECT ASSY W/ AIV SCHRADER (ITEM #1-6)		772016	1
PRESSURE PROTECT VALVE ASSY W/O AIV SCHRADER (ITEM #1-3) (NOTE: USED WHEN AIV SCHRADER VALVE IS IN CONTROL BOX)		772053	1

CAD DWG FILE NAME MR000082A		A CHANGED PART# OF PPV BODY - ITEM #2		10/21/05	RF
E.C.N.	LTR	DESCRIPTION OF CHANGE		DATE	BY
TOLERANCES UNLESS OTHERWISE SPECIFIED  .XX ± .XXX ± ANGLES ±		DISTRIBUTED BY:  LOADING AUTOMATION, INC. 3310 ENTERPRISE DR. WILMINGTON, NC 28405 TEL. 910-791-2125 FAX. 910-452-3889		USE ONLY GENUINE HYDRAROLL PARTS 	
SCALE: N/A		APPROVED BY:		DRAWN BY: WIM	
DATE: 7/7/05		E.C.N.:		ISSUED	
AIR TANK ASSEMBLY W/PPV					
DO NOT SCALE DRAWING		DRAWING NUMBER MR000083A			



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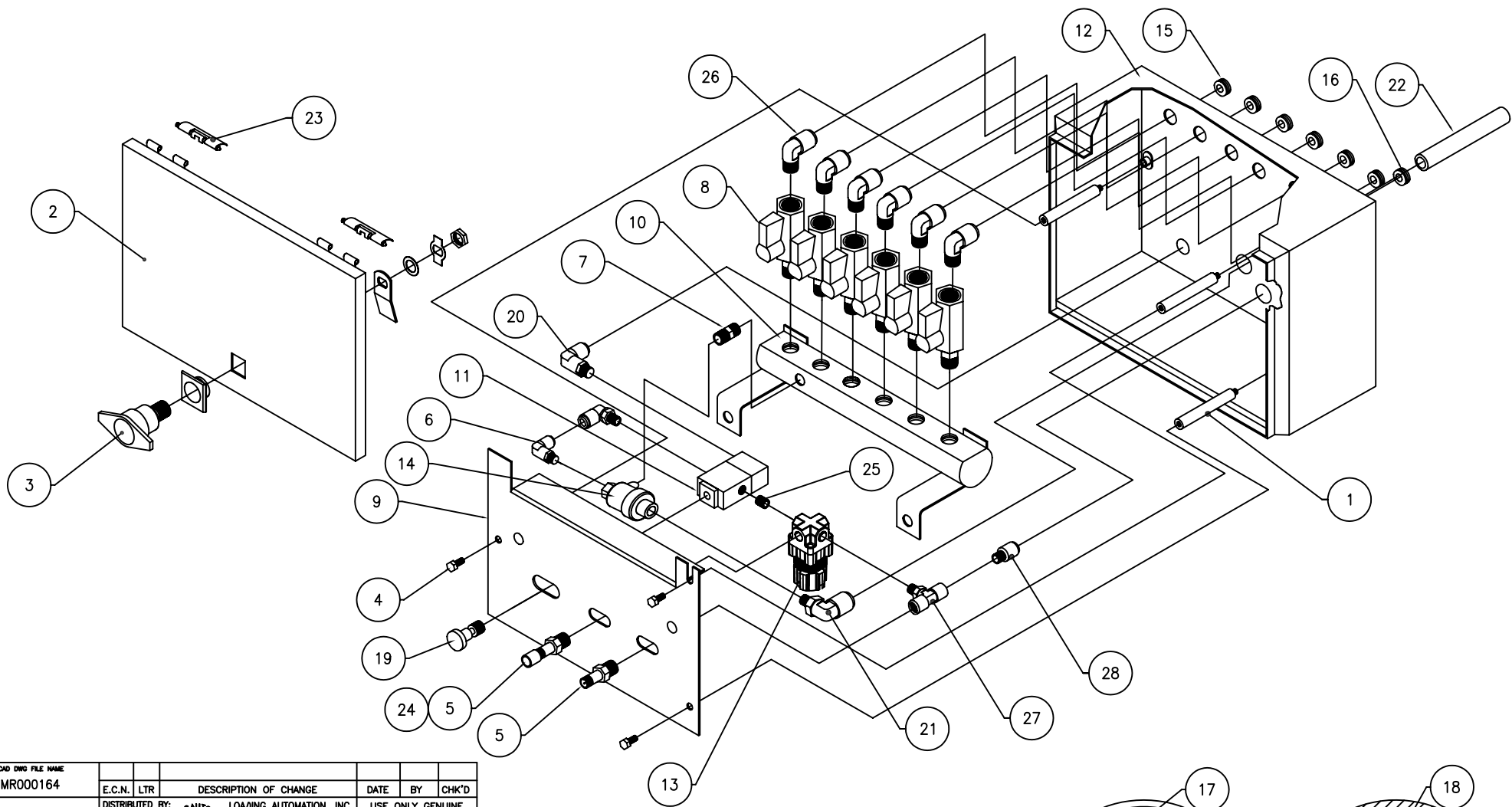




CADD FILE NAME MR000009-LAI		E.C.N.	LTR	DESCRIPTION OF CHANGE	DATE	BY	CHK'D
TOLERANCES UNLESS OTHERWISE SPECIFIED		DISTRIBUTED BY:  LOADING AUTOMATION, INC. 3310 ENTERPRISE DR. WILMINGTON, NC 28405 TEL. 910-791-2125 FAX. 910-452-3889			USE ONLY GENUINE HYDRAROLL PARTS 		
.XX ±		SOLD N/A		APPROVED BY:	DRAWN BY RJF		
.XX ±		DWD 11/17/02		E.C.N.	BUILT		
ANGLES ±		PALLET STOPS					
DO NOT SCALE DRAWING		DRAWING NUMBER MR000009					

ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1	REPLACEMENT BLADE; NOTCHED; 1" THICK	710006	1
2A	REPLACEMENT BLADE; 5/8" THICK	710004	1
2B	REPLACEMENT BLADE; 5/8" THICK; WINGED TRACK	710015	1
3A	REPLACEMENT BLADE; STANDARD; 1" THICK	710007	1
3B	REPLACEMENT BLADE; STANDARD; 1" THICK; WINGED TRACK	710011	1
4	PALLET STOP ASSY w/ 5/8" THK BLADE (incl. 2A)	710003	1
4	PALLET STOP ASSY w/ 5/8" THK BLADE; WING TRACK (incl. 2B)	710014	1
5	PALLET STOP ASSY w/STD 1" THK BLADE (incl. 3A)	710005	1
5	PALLET STOP ASSY w/STD 1" THK BLADE; WING TRACK (incl. 3B)	710010	1

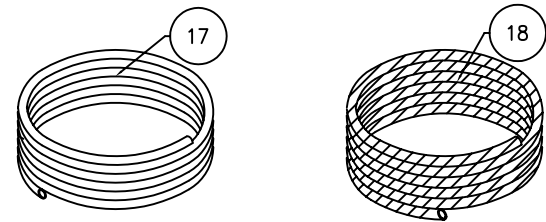
CAD DWG FILE NAME MR000009A-LAI		E.C.N.	LTR	DESCRIPTION OF CHANGE	DATE	BY	CHK'D
<u>TOLERANCES</u> UNLESS OTHERWISE SPECIFIED  .XX ± .XXX ± ANGLES ±		DISTRIBUTED BY:  LOADING AUTOMATION, INC. 3310 ENTERPRISE DR. WILMINGTON, NC 28405 TEL. 910-791-2125 FAX. 910-452-3889			USE ONLY GENUINE HYDRAROLL PARTS 		
		SCALE: N/A		APPROVED BY:		DRAWN BY: RJF	
		DATE: 11/15/02		E.C.N.:		ISSUED	
		PALLET STOPS					
DO NOT SCALE DRAWING						DRAWING NUMBER MR000009A	

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CAD DWG FILE NAME MR000164					
	E.C.N.	LTR	DESCRIPTION OF CHANGE	DATE	BY CHK'D
TOLERANCES UNLESS OTHERWISE SPECIFIED	DISTRIBUTED BY:  LOADING AUTOMATION, INC. 3310 ENTERPRISE DR. WILMINGTON, NC 28405 TEL. 910-791-2125 FAX. 910-452-3889			USE ONLY GENUINE HYDRAROLL PARTS 	
.XX ±	SCALE: N/A		APPROVED BY:		DRAWN BY WIM
.XXX ±	DATE: 7/1/05		E.C.N.:		ISSUED
ANGLES ±	S/S CONTROL BOX: AUTODOWN W/ AIV & TIV				
DO NOT SCALE DRAWING	S/S BOX 771064			DRAWING NUMBER MR000164	

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ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1	PILLAR; FACE PLATE MOUNTING; 97mm LONG	771067	3
2	S/S LID; COMPLETE WITH SEAL	771068	1
3	TEE HANDLE; CHROME; W/ LATCH	771045	1
4	FACE PLATE MOUNTING BOLT	940031	3
5	SCHRADER VALVE; 1/8" BSP	772028	2
6	SWIVEL ELBOW ADAPTER; 5/16" T x 1/8" P	773011	3
7	STRAIGHT ADAPTOR; 1/4" P x 1/4" P	778001	1
8	TRACK ISOLATION VALVE	772058	6
9	FACE PLATE (PREDRILLED)	771065	1
10	MANIFOLD, TRACK ISOLATION VALVE (TIV) W/BACKET	772059	1
11	AUTO-DOWN CONTROL VALVE (incl. 19)	772024	1
12	S/S CONTROL BOX, PRE-DRILLED W/ DECAL	771066	1
13	PRESSURE REGULATOR	772055	1
14	QUICK EXHAUST VALVE (QEV)	772056	1
15	GROMMET; 8mm	714030	8
16	GROMMET; 22mm	714031	1
17	NYLON TUBING; 5/16" OD	773005	AS REQ'D
18	NYLON TUBING; D.O.T.; 3/8" OD	775001	AS REQ'D
19	KNOB; AUTO-DOWN VALVE	772023	1
20	ELBOW; D.O.T.; 1/8" X 3/8" T	775009	1
21	ELBOW; SWIVEL; 1/4" X 12mm TUBE	776005	1
22	TUBE, 12mm (.50") O.D.	776002	1
23	REPLACEMENT HINGE (incl. pin and clips)	771046	2
24	PRESSURE GUARD INDICATOR	772057	1
25	NIPPLE; HEX; 1/8" X 1/8"	778023	2
26	ELBOW; 5/16" T - 1/4" NPT	773022	6
27	TEE; 1/8" FEMALE X 1/8" MALE X 1/8" FEMALE NPT	773023	1
28	STUD COUPLING; 1/8" NPT X 5/16 TUBE	773001	1
CONTROL BOX ASSY: S/S AUTODOWN, AIV & TIV INCLUDED		771064	1
CONTROL BOX MOUNTING BRACKET (2 PC.)		711009	1

CAD DWG FILE NAME MR000164A		A E.C.N. LTR		ADDED CONTROL BOX MOUNTING BRACKET		1/25/06		R/JF	
				DESCRIPTION OF CHANGE		DATE		BY	
TOLERANCES UNLESS OTHERWISE SPECIFIED  .XX ± .XXX ± ANGLES ±		DISTRIBUTED BY:		LOADING AUTOMATION, INC. 3310 ENTERPRISE DR. WILMINGTON, NC 28405 TEL. 910-791-2125 FAX. 910-452-3889		USE ONLY GENUINE HYDRAROLL PARTS			
									
		SCALE: N/A		APPROVED BY:		DRAWN BY: WIM			
		DATE: 7/1/05		E.C.N.:		ISSUED			
DO NOT SCALE DRAWING		S/S CONTROL BOX: AUTODOWN W/ AIV & TIV				DRAWING NUMBER MR000164A			

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## OPERATION & MAINTENANCE ROLLER TRACK SYSTEM



SOLD AND SERVICED BY:  
LOADING AUTOMATION, INC.  
P.O. BOX 4820, WILMINGTON, NC 28406  
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TEL (910) 791-2125  
TEL (800) 264-3184  
FAX (910) 452-3889



## AIR INTEGRITY TEST PROCEDURE

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Hydraroll Pneumatic Roller Track System.  
To be completed on all finished units.

Test procedure:

1. Charge Hydraroll air reservoir(s) by operating truck or tractor engine on an air brake vehicle or by 12V DC compressor controlled by ignition switch.
2. Operate engine on air brake vehicle until a pressure of 100 psi is reached or the 12V DC compressor switches off (approximate time is 5 minutes for 12V DC compressor). Turn key to off position.
3. (Inflate)--Raise all track rollers.
4. Check pressure in Hydraroll control box. Pressure must be identical to previous reading. Record reading.
5. Re-check system after 12 hour period. Record reading.
6. A pressure differential of 10% or less in a 12-hour period is acceptable. If within 10% factor, check block in Hydraroll Performance Certificate and drop all rollers.

If greater than 10% factor, isolate, fix leak, and re-test unit.

NOTE: The pressure loss must be the equivalent of a 10% loss or less over a 12-hour period.

## **ACETAL INSTALLATION INSTRUCTIONS**

### **WITH ACETAL IN TRACK FROM FACTORY**

1. Install the track modules per installation instructions.
2. Overlap the acetal strip from each module (Figure A).
3. At the rear of the body, fold the acetal strip down to cover and seal the end of the module (Figure B).
4. At the front of the body, allow the acetal strip to extend under the floor (Figure C).

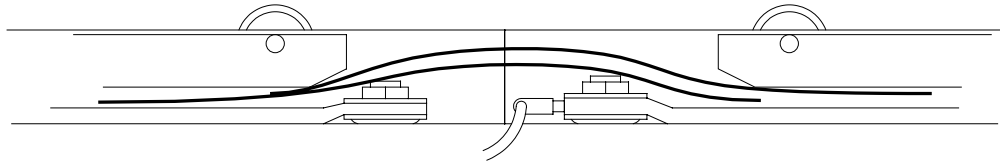


FIGURE A

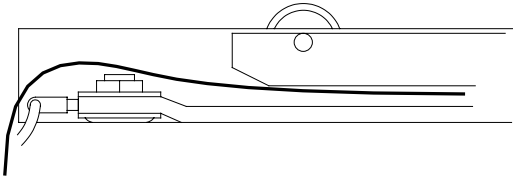


FIGURE B

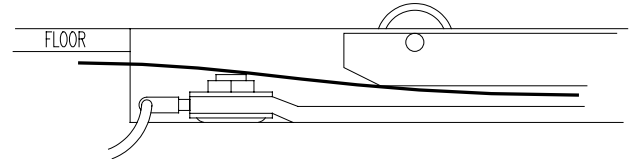
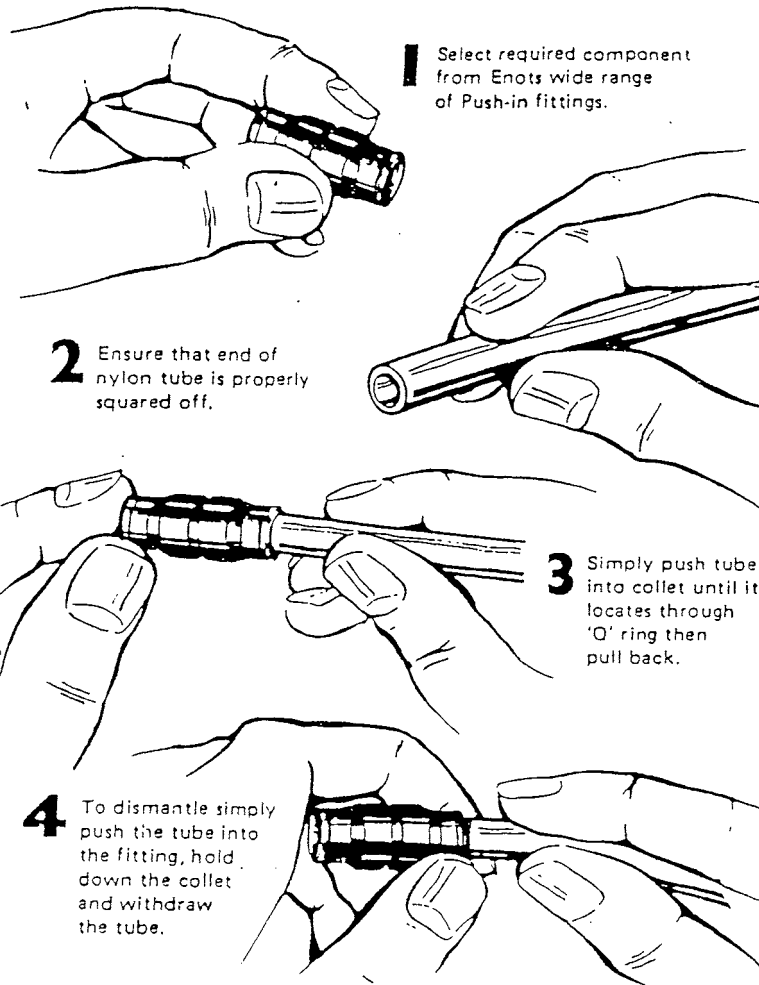


FIGURE C

# **TUBING INSTALLATION**

## **METHOD OF ASSEMBLY**



## DECAL LOCATION DRAWINGS

- 715005-Forklift Warning Decal
- Locate decal in unobstructed view on inside rear sidewall.



- 715007-Warning Decal
- Locate decal on flat body surface adjacent to control box.

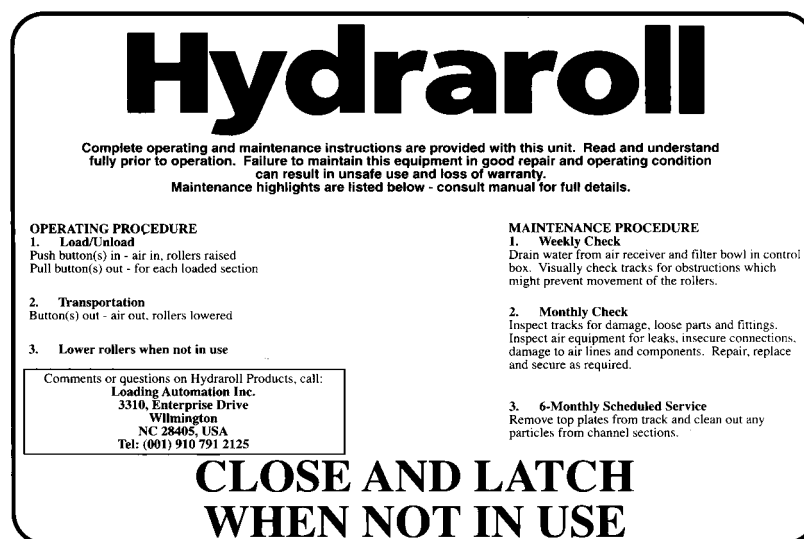


## DECAL LOCATION DRAWINGS

- 715032-Airbrake Interlock Decal (optional)
- Locate decal on or near the pneumatic control box.



- 715003-Operational Procedure/Maintenance Procedure
- Locate decal on the face of the Air Control Box.





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