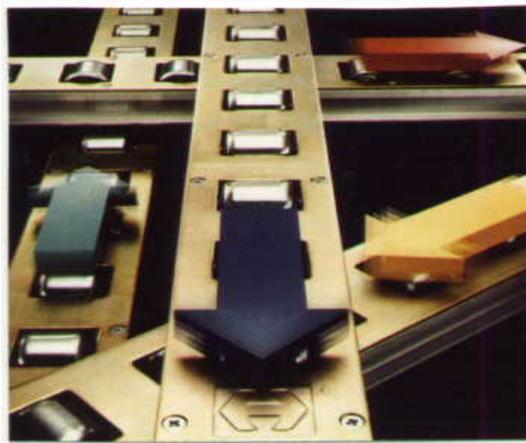




ROLLER TRACK SYSTEM
PARTS MANUAL



Sold and Serviced by:

**LOADING
AUTOMATION, INC.
WILMINGTON, NC
(910) 791-2125
FAX (910) 452-3889
800-264-3184**



LOADING AUTOMATION, INC.
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Sincerely,

William M. Witwer

William M. Witwer
Director of Sales
Loading Automation, Inc.
BillWitwer@Loading-Automation.com

My office phone & fax number: 610-777-1516

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Tel. 910-791-2125 Fax. 910-452-3889

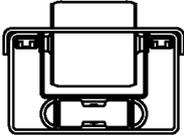
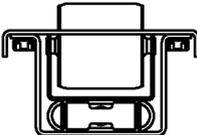
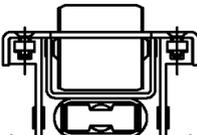
ROLLER TRACK SYSTEMS

TABLE OF CONTENTS:

<u>*DESCRIPTION</u>	<u>*PAGE NUMBER</u>
MARK 4 ROLLER TRACK SYSTEMS	6
-SERIES 4W (FLDTP)	7
-SERIES 4 (FLDTP)	12
-SERIES 4 (HDTP)	17
-SERIES 5 (QRTP)	22
-SERIES 5W (QRTP)	32
COMMON COMPONENTS	38
OPERATION & MAINTENANCE	60

***TO VIEW A SPECIFIC TYPE OF ROLLER TRACK SYSTEM, CLICK ON THE DESCRIPTION OR PAGE NUMBER OF THE RESPECTIVE ROLLER TRACK SYSTEM.**

*PLEASE CLICK ON THE PICTURE ICONS TO VIEW ROLLER TRACK SYSTEMS

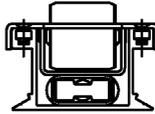
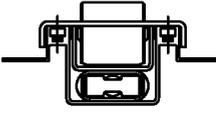
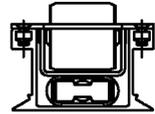
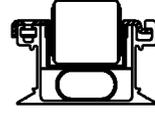
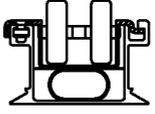
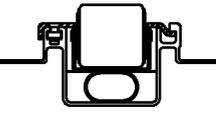
	MARK 4	MARK 15	MARK 20
SERIES 1	 <p>ROLLER WIDTH: 2" MAIN CHANNEL: STEEL TOP FLANGES BENT IN TOP PLATE WIDTH: 4 1/4"</p>		
SERIES 2	 <p>ROLLER WIDTH: 2" MAIN CHANNEL: STEEL TOP FLANGES BENT OUT TOP PLATE WIDTH: 4 11/16"</p>		
SERIES 3	 <p>ROLLER WIDTH: 2" MAIN CHANNEL: ALUMINUM TOP PLATE WIDTH: 4 11/16"</p>	 <p>ROLLER BALL DIA.: 1.25" MAIN CHANNEL: ALUMINUM TOP PLATE WIDTH: 5 5/16"</p>	

*SOME OLDER ROLLER TRACK SYSTEM TYPES ARE NOT SHOWN IN THIS MANUAL. IF YOUR ROLLER TRACK SYSTEM TYPE IS NOT SHOWN IN THIS MANUAL, PLEASE CONTACT LOADING AUTOMATION BY PHONE, FAX, OR E-MAIL.

SERIES 1: PRE 1984 PRODUCTION
 SERIES 2: 1984-1986 PRODUCTION
 SERIES 3: 1986-1995 PRODUCTION
 SERIES 4: 1995-1999 PRODUCTION
 SERIES 5: 1999-PRESENT PRODUCTION
 SEE DRAWING RA0000135B FOR SERIES 4 AND 5

OLD DWG FILE NAME RA000135A-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	±	SCALE: NTS		APPROVED BY:	DRAWN BY: CJD		
.XXX	±	DATE: 8/14/03		E.C.N.	ISSUED		
ANGLES	±	TRACK REFERENCE GUIDE; SERIES 1, 2, & 3					
DO NOT SCALE DRAWING		DRAWING NUMBER RA000135A					

*PLEASE CLICK ON THE PICTURE ICONS TO VIEW ROLLER TRACK SYSTEMS

	MARK 4	MARK 15	MARK 20
SERIES 4 FLD/TP	 ROLLER WIDTH: 2" MAIN CHANNEL: ALUMINUM TOP PLATE WIDTH: 4 11/16"		
SERIES 4W	 ROLLER WIDTH: 2" MAIN CHANNEL: ALUMINUM TOP PLATE WIDTH: 4 11/16"		
SERIES 4 HD/TP	 ROLLER WIDTH: 2" MAIN CHANNEL: ALUMINUM TOP PLATE WIDTH: 4 5/16"		
SERIES 5 Q/TP	 ROLLER WIDTH: 2" MAIN CHANNEL: ALUMINUM TOP PLATE WIDTH: 4 5/16"		 ROLLER WIDTH: 2" MAIN CHANNEL: ALUMINUM TOP PLATE WIDTH: 4 3/8"
SERIES 5W	 ROLLER WIDTH: 2" MAIN CHANNEL: ALUMINUM TOP PLATE WIDTH: 4 5/16"		

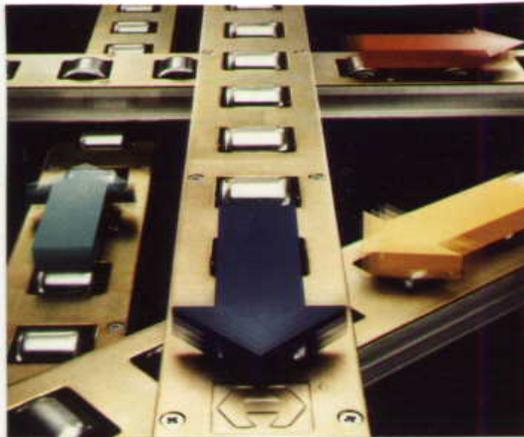
*SOME OLDER ROLLER TRACK SYSTEM TYPES ARE NOT SHOWN IN THIS MANUAL. IF YOUR ROLLER TRACK SYSTEM TYPE IS NOT SHOWN IN THIS MANUAL, PLEASE CONTACT LOADING AUTOMATION BY PHONE, FAX, OR E-MAIL.

SERIES 1: PRE 1984 PRODUCTION
 SERIES 2: 1984-1986 PRODUCTION
 SERIES 3: 1986-1995 PRODUCTION
 SERIES 4: 1995-1999 PRODUCTION
 SERIES 5: 1999-PRESENT PRODUCTION
 SEE DRAWING RA0000135A FOR SERIES 1, 2 AND 3

OLD DWG FILE NAME RA000135B-LAI		E.C.N.	LTR	DESCRIPTION OF CHANGE	DATE	BY	CHK'D
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DO NOT SCALE DRAWING		SCALE: NTS DATE: 8/14/03		APPROVED BY: E.C.N.		DRAWN BY: CJD ISSUED	
				TRACK REFERENCE GUIDE; S4 & S5 DRAWING NUMBER RA000135B			



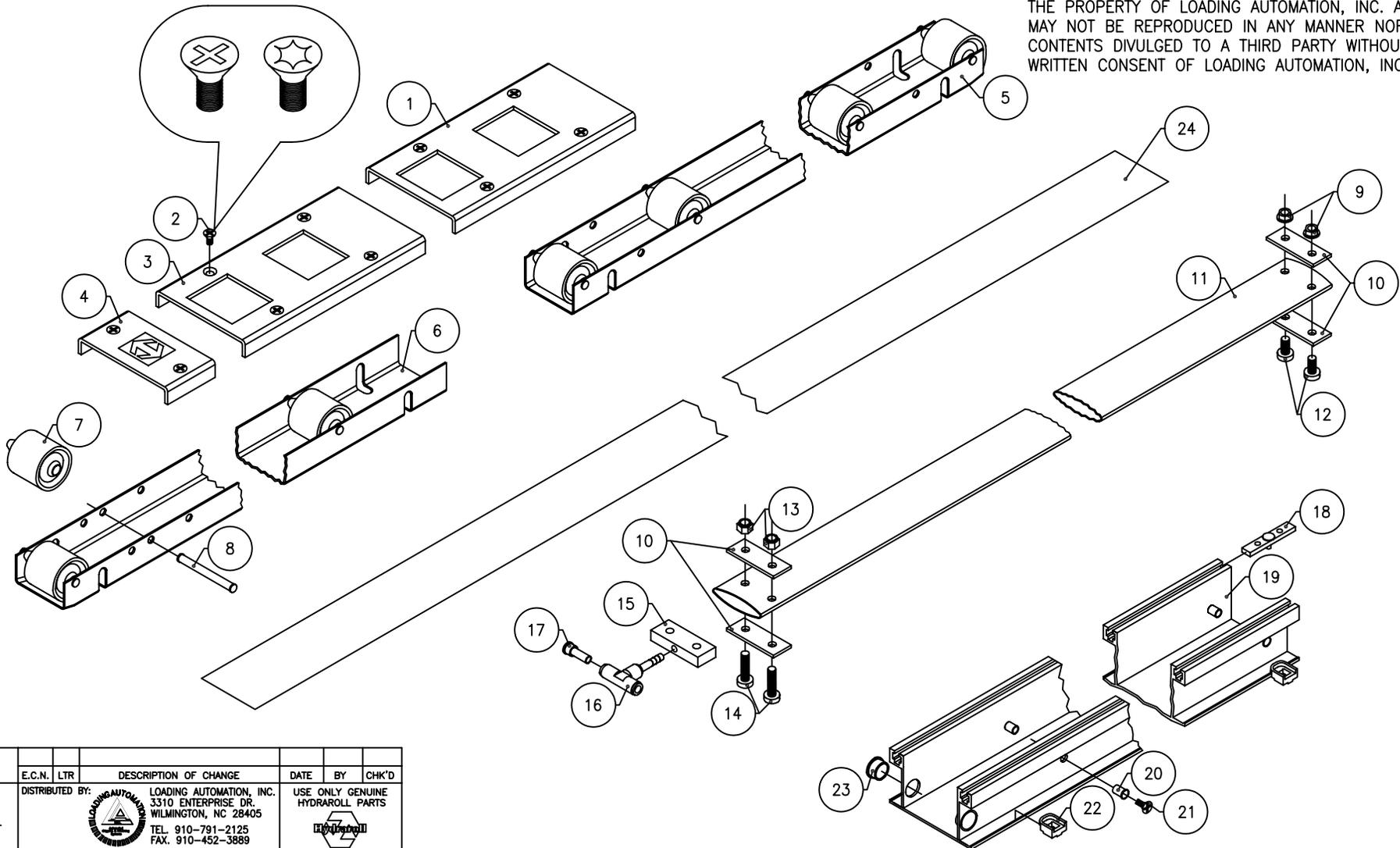
**MARK 4
ROLLER TRACK SYSTEMS**



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TOLERANCES UNLESS OTHERWISE SPECIFIED					
.XX ±	.XXX ±		SCALE: NTS	APPROVED BY:	DRAWN BY: 
ANGLES ±	DATE: 9/12/05	E.C.N.:	ISSUED		
DO NOT SCALE DRAWING					
MARK 4 SERIES 3; STD FLD TP; 1986-1995			DRAWING NUMBER MR000014		

ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1	TOP PLATE; MARK 4, SERIES 3; FRONT (CLAMP); FOLDED 4 5/8" W x 64" L; 6" PITCH (11 ROLLERS)	741007	1
1	TOP PLATE; MARK 4, SERIES 3; FRONT (CLAMP); FOLDED 4 5/8" W x 64" L; 4" PITCH (16 ROLLERS)	741015	1
2	TOP PLATE SCREW; 6mm x 16mm SUPRADRIVE (PHILLIPS)	943002	26
2	TOP PLATE SCREW; 6mm x 16mm TORX DRIVE (T30)	943003	26
3	TOP PLATE; MARK 4, SERIES 3; REAR (INLET); FOLDED 4 5/8" W x 59 1/2" L; 6" PITCH (10 ROLLERS)	741006	1
3	TOP PLATE; MARK 4, SERIES 3; REAR (INLET); FOLDED 4 5/8" W x 59 1/2" L; 4" PITCH (15 ROLLERS)	741005	1
4	LOGO PLATE; MARK 4, SERIES 3; FOLDED 4 5/8" W x 2 1/2" L	741012	1
5	ROLLER CHANNEL ASSEMBLY; FRONT (CLAMP) SEE DRAWING MRO00014H	ASSEMBLY ONLY	1
6	ROLLER CHANNEL ASSEMBLY; REAR (INLET) SEE DRAWING MRO00014H	ASSEMBLY ONLY	1
7	ROLLER; MARK 4; 2"	743002	23, 28 OR 34
8	ROLLER PIN; MARK 4; 2"	743001	23, 28 OR 34
9*	NUT; 8mm FLANGED	ASSEMBLY ONLY	2
10*	CLAMP PLATE	ASSEMBLY ONLY	4
11	AIR BAG; MARK 4; 2 1/2" FLAT	760006	11'-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; MARK 4	763007	1
16	AIR BAG TEE; 5/16" OD	763006	1
17	BLANKING PLUG; 5/16" OD	773009	AS REQ'D
18	NUT BAR; 6mm	944004	26
19	MAIN CHANNEL; ALUMINUM; 11'-6" L	744005	1
20	AVDEL GUIDE PIN	941004	10
21	SCREW; 6mm x 14mm; PHILLIPS DRIVE	943002	10
22	TRACK MOUNTING CLIP	714011	6
23	AIR LINE GROMMET	714004	2
24	ACETAL STRIP; 2 13/16" WIDE	714007	12'-6"

NOT SHOWN:

TOP PLATE; MARK 4, SERIES 3; FOLDED 4 5/8" W x 12" L; 6" PITCH (2 ROLLERS)	741011	1
TOP PLATE; MARK 4, SERIES 3; FOLDED 4 5/8" W x 12" L; 4" PITCH (3 ROLLERS)	741017	1
ROLLER CHANNEL ASSEMBLY; 12" SECTION SEE DRAWING MRO00014H	ASSEMBLY ONLY	1
AIR BAG CLAMP KIT; MARK 4 2 1/2" FLAT (incl.9,10,12-16)	762001	1
AIR BAG ASSEMBLY; MARK 4; 2 1/2" FLAT 11'-6" L (incl. 9-16)	760009	1
MODULE; MARK 4, SERIES 3 (COMPLETE) SEE DRAWING MRO00014H		

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		DATE: 9/12/05	E.C.N.:	ISSUED				
DO NOT SCALE DRAWING		MARK 4 SERIES 3; STD FLD TP; 1986-1995			DRAWING NUMBER MRO00014A			

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ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1	TOP PLATE; MARK 4, SERIES 3; FRONT (CLAMP); FOLDED 4 5/8" W x 64" L; 6" PITCH (11 ROLLERS)	741007	1
1	TOP PLATE; MARK 4, SERIES 3; FRONT (CLAMP); FOLDED 4 5/8" W x 64" L; 4" PITCH (16 ROLLERS)	741015	1
2	TOP PLATE SCREW; 6mm x 16mm SUPRADRIVE (PHILLIPS)	943002	22
2	TOP PLATE SCREW; 6mm x 16mm TORX DRIVE (T30)	943003	22
3	TOP PLATE; MARK 4, SERIES 3; REAR (INLET); FOLDED 4 5/8" W x 59 1/2" L; 6" PITCH (10 ROLLERS)	741006	1
3	TOP PLATE; MARK 4, SERIES 3; REAR (INLET); FOLDED 4 5/8" W x 59 1/2" L; 4" PITCH (15 ROLLERS)	741005	1
4	LOGO PLATE; MARK 4, SERIES 3; FOLDED 4 5/8" W x 2 1/2" L	741012	1
5	ROLLER CHANNEL ASSEMBLY; FRONT (CLAMP) SEE DRAWING MR000014H	ASSEMBLY ONLY	1
6	ROLLER CHANNEL ASSEMBLY; REAR (INLET) SEE DRAWING MR000014H	ASSEMBLY ONLY	1
7	ROLLER; MARK 4; 2"	743002	21, 26 OR 31
8	ROLLER PIN; MARK 4; 2"	743001	21, 26 OR 31
9 *	NUT; 8mm FLANGED	ASSEMBLY ONLY	2
10 *	CLAMP PLATE	ASSEMBLY ONLY	4
11	AIR BAG; MARK 4; 2 1/2" FLAT	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; MARK 4	763007	1
16	AIR BAG TEE; 5/16" OD	763006	1
17	BLANKING PLUG; 5/16" OD	773009	AS REQ'D
18	NUT BAR; 6mm	944004	22
19	MAIN CHANNEL; ALUMINUM; 10'-6" L	744006	1
20	AVDEL GUIDE PIN	941004	8
21	SCREW; 6mm x 14mm; PHILLIPS DRIVE	943002	8
22	TRACK MOUNTING CLIP	714011	6
23	AIR LINE GROMMET	714004	2
24	ACETAL STRIP; 2 13/16" WIDE	714007	11'-6"

AIR BAG CLAMP KIT; MARK 4
2 1/2" FLAT (incl.9,10,12-16) 762001 1

AIR BAG ASSEMBLY; MARK 4; 2 1/2" FLAT
10'-6" L (incl. 9-16) 760008 1

MODULE; MARK 4, SERIES 3 (COMPLETE)
SEE DRAWING MR000014H

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DO NOT SCALE DRAWING		10'-6" MODULES		DRAWING NUMBER		MR000014B		

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ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1	TOP PLATE; MARK 4, SERIES 3; FRONT (CLAMP); FOLDED 4 5/8" W x 46" L; 6" PITCH (8 ROLLERS)	741018	1
1	TOP PLATE; MARK 4, SERIES 3; FRONT (CLAMP); FOLDED 4 5/8" W x 46" L; 4" PITCH (11 ROLLERS)	741019	1
2	TOP PLATE SCREW; 6mm x 16mm SUPRADRIVE (PHILLIPS)	943002	20
2	TOP PLATE SCREW; 6mm x 16mm TORX DRIVE (T30)	943003	20
3	TOP PLATE; MARK 4, SERIES 3; REAR (INLET); FOLDED 4 5/8" W x 59 1/2" L; 6" PITCH (10 ROLLERS)	741006	1
3	TOP PLATE; MARK 4, SERIES 3; REAR (INLET); FOLDED 4 5/8" W x 59 1/2" L; 4" PITCH (15 ROLLERS)	741005	1
4	LOGO PLATE; MARK 4, SERIES 3; FOLDED 4 5/8" W x 2 1/2" L	741012	1
5	ROLLER CHANNEL ASSEMBLY; FRONT (CLAMP) SEE DRAWING MR000014H	ASSEMBLY ONLY	1
6	ROLLER CHANNEL ASSEMBLY; REAR (INLET) SEE DRAWING MR000014H	ASSEMBLY ONLY	1
7	ROLLER; MARK 4; 2"	743002	18 OR 26
8	ROLLER PIN; MARK 4; 2"	743001	18 OR 26
9*	NUT; 8mm FLANGED	ASSEMBLY ONLY	2
10*	CLAMP PLATE	ASSEMBLY ONLY	4
11	AIR BAG; MARK 4; 2 1/2" FLAT	760006	9'-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; MARK 4	763007	1
16	AIR BAG TEE; 5/16" OD	763006	1
17	BLANKING PLUG; 5/16" OD	773009	AS REQ'D
18	NUT BAR; 6mm	944004	20
19	MAIN CHANNEL; ALUMINUM; 9'-0" L	744007	1
20	AVDEL GUIDE PIN	941004	8
21	SCREW; 6mm x 14mm; PHILLIPS DRIVE	943002	8
22	TRACK MOUNTING CLIP	714011	6
23	AIR LINE GROMMET	714004	2
24	ACETAL STRIP; 2 13/16" WIDE	714007	10'-0"

AIR BAG CLAMP KIT; MARK 4
2 1/2" FLAT (incl.9,10,12-16)

762001 1

AIR BAG ASSEMBLY; MARK 4; 2 1/2" FLAT
9'-0" L (incl. 9-16)

760004 1

MODULE; MARK 4, SERIES 3 (COMPLETE)
SEE DRAWING MR000014H

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		DATE: 9/12/05	E.C.N.:	ISSUED				
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ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1	DOES NOT APPLY TO THIS LENGTH MODULE		
2	TOP PLATE SCREW; 6mm x 16mm SUPRADRIVE (PHILLIPS)	943002	12
2	TOP PLATE SCREW; 6mm x 16mm TORX DRIVE (T30)	943003	12
3	TOP PLATE; MARK 4, SERIES 3; FOLDED	741042	1
	4 5/8" W x 59 3/8" L; 4" PITCH (15 ROLLERS)		
4	LOGO PLATE; MARK 4, SERIES 3; FOLDED	741012	1
	4 5/8" W x 2 1/2" L		
5	DOES NOT APPLY TO THIS LENGTH MODULE		
6	ROLLER CHANNEL ASSEMBLY; MARK 4, SERIES 3	ASSEMBLY ONLY	1
	SEE DRAWING MRO00014H		
7	ROLLER; MARK 4; 2"	743002	15
8	ROLLER PIN; MARK 4; 2"	743001	15
9*	NUT; 8mm FLANGED	ASSEMBLY ONLY	2
10*	CLAMP PLATE	ASSEMBLY ONLY	4
11	AIR BAG; MARK 4; 2 1/2" FLAT	760006	5'-2"
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; MARK 4	763007	1
16	AIR BAG TEE; 5/16" OD	763006	1
17	BLANKING PLUG; 5/16" OD	773009	AS REQ'D
18	NUT BAR; 6mm	944004	12
19	MAIN CHANNEL; ALUMINUM; 61 7/8" L	744003	1
20	AVDEL GUIDE PIN	941004	2
21	SCREW; 6mm x 14mm; PHILLIPS DRIVE	943002	2
22	TRACK MOUNTING CLIP	714011	6
23	AIR LINE GROMMET	714004	2
24	ACETAL STRIP; 2 13/16" WIDE	714007	6'-2"

AIR BAG CLAMP KIT; MARK 4 2 1/2" FLAT (incl.9,10,12-16)	762001	1
AIR BAG ASSEMBLY; MARK 4; 2 1/2" FLAT 5'-2" L (incl. 9-16)	760000	1
MODULE; MARK 4, SERIES 3 (COMPLETE) SEE DRAWING MRO00014H		

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		SCALE: N/A	APPROVED BY:	DRAWN BY: 	DATE: 9/12/05	E.C.N.:	ISSUED	
DO NOT SCALE DRAWING		MARK 4 SERIES 3; STD FLD TP; 1986-1995			DRAWING NUMBER MRO00014D			

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ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1	DOES NOT APPLY TO THIS LENGTH MODULE		
2	TOP PLATE SCREW; 6mm x 16mm SUPRADRIVE (PHILLIPS)	943002	10
2	TOP PLATE SCREW; 6mm x 16mm TORX DRIVE (T30)	943003	10
3	TOP PLATE; MARK 4, SERIES 3; FOLDED 4 5/8" W x 45 1/2" L; 6" PITCH (8 ROLLERS)	741020	1
3	TOP PLATE; MARK 4, SERIES 3; FOLDED 4 5/8" W x 45 1/2" L; 4" PITCH (11 ROLLERS)	741014	1
4	LOGO PLATE; MARK 4, SERIES 3; FOLDED 4 5/8" W x 2 1/2" L	741012	1
5	DOES NOT APPLY TO THIS LENGTH MODULE		
6	ROLLER CHANNEL ASSEMBLY; MARK 4, SERIES 3 SEE DRAWING MR000014H	ASSEMBLY ONLY	1
7	ROLLER; MARK 4; 2"	743002	8 OR 11
8	ROLLER PIN; MARK 4; 2"	743001	8 OR 11
9*	NUT; 8mm FLANGED	ASSEMBLY ONLY	2
10*	CLAMP PLATE	ASSEMBLY ONLY	4
11	AIR BAG; MARK 4; 2 1/2" FLAT	760006	4'-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; MARK 4	763007	1
16	AIR BAG TEE; 5/16" OD	763006	1
17	BLANKING PLUG; 5/16" OD	773009	AS REQ'D
18	NUT BAR; 6mm	944004	10
19	MAIN CHANNEL; ALUMINUM; 4'-0" L	744004	1
20	AVDEL GUIDE PIN	941004	2
21	SCREW; 6mm x 14mm; PHILLIPS DRIVE	943002	2
22	TRACK MOUNTING CLIP	714011	6
23	AIR LINE GROMMET	714004	2
24	ACETAL STRIP; 2 13/16" WIDE	714007	5'-0"
	AIR BAG CLAMP KIT; MARK 4 2 1/2" FLAT (incl.9,10,12-16)	762001	1
	AIR BAG ASSEMBLY; MARK 4; 2 1/2" FLAT 4'-0" L (incl. 9-16)	760002	1
	MODULE; MARK 4, SERIES 3 (COMPLETE) SEE DRAWING MR000014H		

* AVAILABLE ONLY AS PART OF KIT 762001

CAD DWG FILE NAME					
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		
TOLERANCES UNLESS OTHERWISE SPECIFIED		 			
.XX	±	SCALE: N/A	APPROVED BY:	DRAWN BY:	
.XXX	±	DATE: 9/12/05	E.C.N.:	ISSUED	
ANGLES	±	MARK 4 SERIES 3; STD FLD TP; 1986-1995			
DO NOT SCALE DRAWING	4'-0" MODULES		DRAWING NUMBER MR000014E		

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ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1	DOES NOT APPLY TO THIS LENGTH MODULE		
2	TOP PLATE SCREW; 6mm x 16mm SUPRADRIVE (PHILLIPS)	943002	10
2	TOP PLATE SCREW; 6mm x 16mm TORX DRIVE (T30)	943003	10
3	TOP PLATE; MARK 4, SERIES 3; FOLDED	741022	1
4	4 5/8" W x 33 1/2" L; 4" PITCH (8 ROLLERS)		
4	LOGO PLATE; MARK 4, SERIES 3; FOLDED	741012	1
	4 5/8" W x 2 1/2" L		
5	DOES NOT APPLY TO THIS LENGTH MODULE		
6	ROLLER CHANNEL ASSEMBLY; MARK 4, SERIES 3	ASSEMBLY ONLY	1
	SEE DRAWING MR000014H		
7	ROLLER; MARK 4; 2"	743002	8
8	ROLLER PIN; MARK 4; 2"	743001	8
9 *	NUT; 8mm FLANGED	ASSEMBLY ONLY	2
10 *	CLAMP PLATE	ASSEMBLY ONLY	4
11	AIR BAG; MARK 4; 2 1/2" FLAT	760006	3'-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; MARK 4	763007	1
16	AIR BAG TEE; 5/16" OD	763006	1
17	BLANKING PLUG; 5/16" OD	773009	AS REQ'D
18	NUT BAR; 6mm	944004	10
19	MAIN CHANNEL; ALUMINUM; 3'-0" L	744008	1
20	AVDEL GUIDE PIN	941004	2
21	SCREW; 6mm x 14mm; PHILLIPS DRIVE	943002	2
22	TRACK MOUNTING CLIP	714011	4
23	AIR LINE GROMMET	714004	2
24	ACETAL STRIP; 2 13/16" WIDE	714007	4'-0"

AIR BAG CLAMP KIT; MARK 4
2 1/2" FLAT (incl.9,10,12-16) 762001 1

AIR BAG ASSEMBLY; MARK 4; 2 1/2" FLAT
3'-0" L (incl. 9-16) 760011 1

MODULE; MARK 4, SERIES 3 (COMPLETE)
SEE DRAWING MR000014H

* AVAILABLE ONLY AS PART OF KIT 762001

CAD DWG FILE NAME		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: 				
		DATE: 9/12/05		E.C.N.:		ISSUED				
		MARK 4 SERIES 3; STD FLD TP; 1986-1995								
DO NOT SCALE DRAWING		3'-0" MODULES		DRAWING NUMBER		MR000014F				

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ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1	DOES NOT APPLY TO THIS LENGTH MODULE		
2	TOP PLATE SCREW; 6mm x 16mm SUPRADRIVE (PHILLIPS)	943002	8
2	TOP PLATE SCREW; 6mm x 16mm TORX DRIVE (T30)	943003	8
3	TOP PLATE; MARK 4, SERIES 3; FOLDED	741023	1
4	4 5/8" W x 21 1/2" L; 4" PITCH (5 ROLLERS)		
4	LOGO PLATE; MARK 4, SERIES 3; FOLDED	741012	1
	4 5/8" W x 2 1/2" L		
5	DOES NOT APPLY TO THIS LENGTH MODULE		
6	ROLLER CHANNEL ASSEMBLY; MARK 4, SERIES 3	ASSEMBLY ONLY	1
	SEE DRAWING MR000014H		
7	ROLLER; MARK 4; 2"	743002	5
8	ROLLER PIN; MARK 4; 2"	743001	5
9*	NUT; 8mm FLANGED	ASSEMBLY ONLY	2
10*	CLAMP PLATE	ASSEMBLY ONLY	4
11	AIR BAG; MARK 4; 2 1/2" FLAT	760006	2'-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; MARK 4	763007	1
16	AIR BAG TEE; 5/16" OD	763006	1
17	BLANKING PLUG; 5/16" OD	773009	AS REQ'D
18	NUT BAR; 6mm	944004	8
19	MAIN CHANNEL; ALUMINUM; 2'-0" L	744009	1
20	AVDEL GUIDE PIN	941004	2
21	SCREW; 6mm x 14mm; PHILLIPS DRIVE	943002	2
22	TRACK MOUNTING CLIP	714011	4
23	AIR LINE GROMMET	714004	2
24	ACETAL STRIP; 2 13/16" WIDE	714007	3'-0"

AIR BAG CLAMP KIT; MARK 4
2 1/2" FLAT (incl.9,10,12-16) 762001 1

AIR BAG ASSEMBLY; MARK 4; 2 1/2" FLAT
2'-0" L (incl. 9-16) 760012 1

MODULE; MARK 4, SERIES 3 (COMPLETE)
SEE DRAWING MR000014H

* AVAILABLE ONLY AS PART OF KIT 762001

CAD DWG FILE NAME		E.C.N.	LTR	DESCRIPTION OF CHANGE	DATE	BY	CHK'D
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		SCALE: N/A	APPROVED BY:	DRAWN BY:			
		DATE: 9/12/05	E.C.N.:	ISSUED			
		MARK 4 SERIES 3; STD FLD TP; 1986-1995			DRAWING NUMBER		
DO NOT SCALE DRAWING		2'-0" MODULES		MR000014G			

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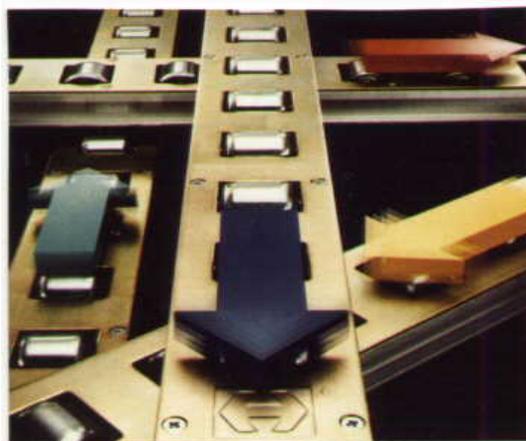
ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
MARK 4, SERIES 3; MODULES (WITH FOLDED TOP PLATES) & ROLLER CHANNEL ASSEMBLIES (RCA) (COMPLETE WITH ROLLERS)			
1	11'-6" MODULE w/6" PITCH (23 ROLLERS)	740014	1
	RCA FRONT (CLAMP); 6" PITCH (11 ROLLERS)	742007	1
	RCA REAR (INLET); 6" PITCH (10 ROLLERS)	742006	1
	RCA 12" SECTION; 6" PITCH (2 ROLLERS)	742004	1
2	11'-6" MODULE w/ 4/6" PITCH (28 ROLLERS)	740004	1
	RCA FRONT (CLAMP); 6" PITCH (11 ROLLERS)	742007	1
	RCA REAR (INLET); 4" PITCH (15 ROLLERS)	742005	1
	RCA 12" SECTION; 6" PITCH (2 ROLLERS)	742004	1
3	11'-6" MODULE w/4" PITCH (34 ROLLERS)	740009	1
	RCA FRONT (CLAMP); 4" PITCH (16 ROLLERS)	742003	1
	RCA REAR (INLET); 4" PITCH (15 ROLLERS)	742005	1
	RCA 12" SECTION; 4" PITCH (3 ROLLERS)	742010	1
4	10'-6" MODULE w/6" PITCH (21 ROLLERS)	740010	1
	RCA FRONT (CLAMP); 6" PITCH (11 ROLLERS)	742007	1
	RCA REAR (INLET); 6" PITCH (10 ROLLERS)	742006	1
5	10'-6" MODULE w/ 4/6" PITCH (26 ROLLERS)	740006	1
	RCA FRONT (CLAMP); 6" PITCH (11 ROLLERS)	742007	1
	RCA REAR (INLET); 4" PITCH (15 ROLLERS)	742005	1
6	10'-6" MODULE w/4" PITCH (31 ROLLERS)	740008	1
	RCA FRONT (CLAMP); 4" PITCH (16 ROLLERS)	742003	1
	RCA REAR (INLET); 4" PITCH (15 ROLLERS)	742005	1
7	9'-0" MODULE w/6" PITCH (18 ROLLERS)	740017	1
	RCA FRONT (CLAMP); 6" PITCH (8 ROLLERS)	742011	1
	RCA REAR (INLET); 6" PITCH (10 ROLLERS)	742006	1
8	9'-0" MODULE w/4" PITCH (26 ROLLERS)	740016	1
	RCA FRONT (CLAMP); 4" PITCH (11 ROLLERS)	742012	1
	RCA REAR (INLET); 4" PITCH (15 ROLLERS)	742005	1
9	5'-2" MODULE w/4" PITCH (15 ROLLERS)	740018	1
	RCA; 4" PITCH (15 ROLLERS)	742019	1
10	4'-0" MODULE w/6" PITCH (8 ROLLERS)	740011	1
	RCA; 6" PITCH (8 ROLLERS)	742013	1
11	4'-0" MODULE w/4" PITCH (11 ROLLERS)	740015	1
	RCA; 4" PITCH (11 ROLLERS)	742014	1
12	3'-0" MODULE w/4" PITCH (8 ROLLERS)	740003	1
	RCA; 4" PITCH (8 ROLLERS)	742015	1
13	2'-0" MODULE w/4" PITCH (5 ROLLERS)	740002	1
	RCA; 4" PITCH (5 ROLLERS)	742016	1

CAD DWG FILE NAME					
E.C.N.	LTR	DESCRIPTION OF CHANGE		DATE	BY
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TOLERANCES UNLESS OTHERWISE SPECIFIED		APPROVED BY:		DRAWN BY: 	
.XX	±	SCALE: N/A	E.C.N.:	ISSUED	
.XXX	±	DATE: 9/12/05			
ANGLES	±	MARK 4 SERIES 3; STD FLD TP; 1986-1995			
DO NOT SCALE DRAWING	MODULES & RCA'S		DRAWING NUMBER MR000014H		

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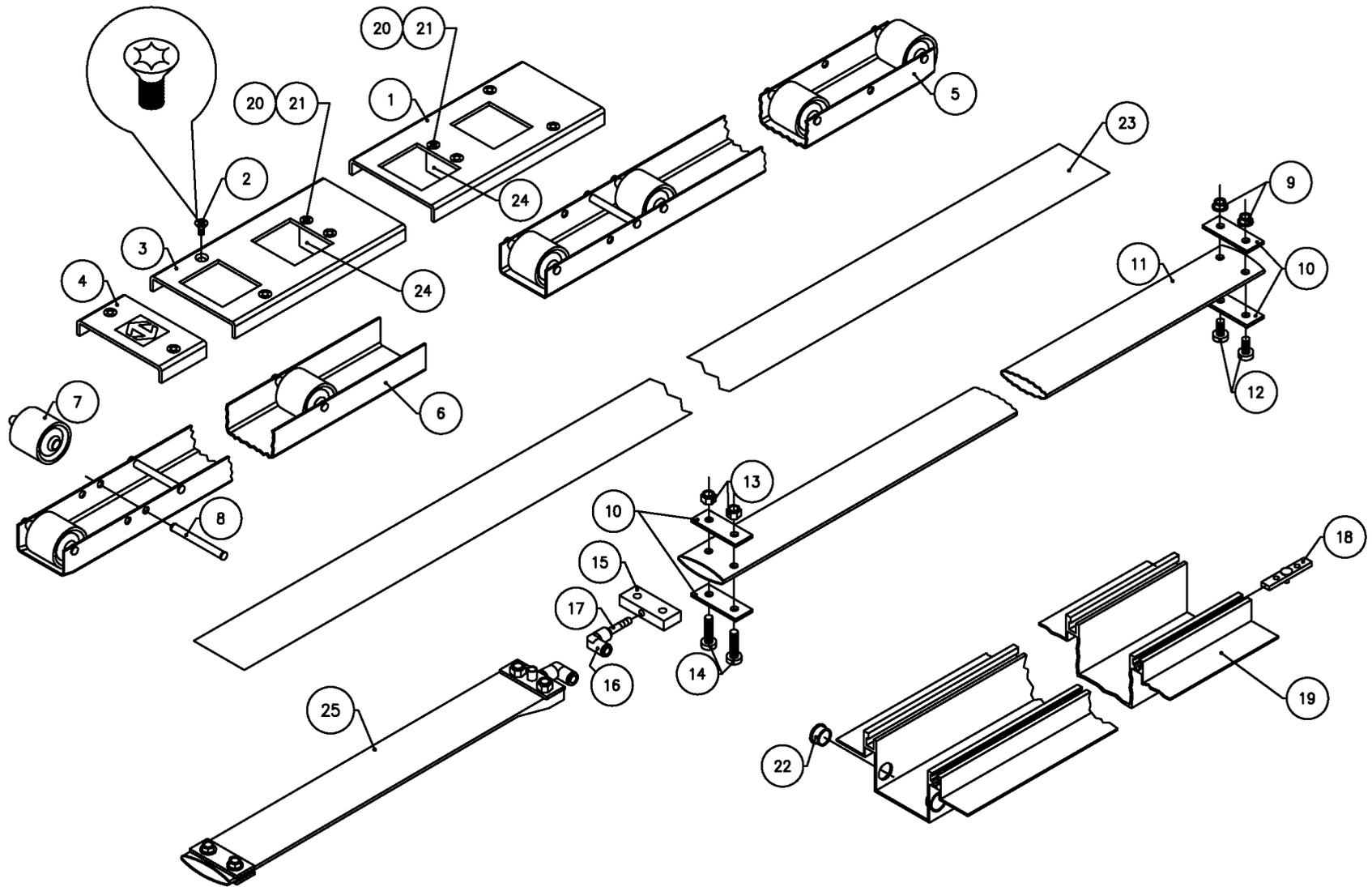


*MARK 4, SERIES 4 w/
FOLDED TOP PLATES &
WINGED MAIN CHANNELS*



Sold and Serviced by:

**LOADING
AUTOMATION, INC.
WILMINGTON, NC
(910) 791-2125
FAX (910) 452-3889
800-264-3184**



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3310 ENTERPRISE DR.
WILMINGTON, NC 28405

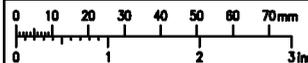
TEL. 910-791-2125
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USE ONLY GENUINE
HYDRAROLL PARTS

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TOLERANCES

MATERIAL



SCALE A2
1:25

PROJECTION

USED ON



MARK 4 SERIES 4 WGD ROLLER TRACK
STANDARD (FOLDED) TOP PLATE
2" WIDE ROLLERS 1995 to PRESENT

ISS	REVISION	DRN	DATE	APP	DATE
A	ORIGINAL	CJD			
DRG. No.	MR000047				

ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1A**	TOP PLATE; MARK 4, SERIES 4; FLD; FRONT (CLAMP) 6" PITCH (10 ROLLERS); 4-5/8" X 59 1/2" LG	741006	1
1B**	TOP PLATE; MARK 4, SERIES 4; FLD; FRONT (CLAMP) 4" PITCH (15 ROLLERS); 4-5/8" 59 1/2" LG	741005	1
2	TOP PLATE SCREW; 6mm x 15mm TORX DRIVE (T30)	943003	30
3**	TOP PLATE; MARK 4, SERIES 4; FLD; REAR (INLET) 6" PITCH (11 ROLLERS); 4-5/8" X 64" LG	741007	1
4	LOGO PLATE; MARK 4, SERIES 4, FLD; 6" WIDE 4 5/8" W 2 1/2" L	741012	2
5A	ROLLER CHANNEL ASSEMBLY (COMPLETE w/ ROLLERS) MARK 4, SERIES 4; 4" PITCH (15 ROLLERS)	742005	1
5B	ROLLER CHANNEL ASSEMBLY (COMPLETE w/ ROLLERS) MARK 4, SERIES 4; 6" PITCH (10 ROLLERS)	742006	1
6	ROLLER CHANNEL ASSEMBLY (COMPLETE w/ ROLLERS) MARK 4, SERIES 4; 6" PITCH (11 ROLLERS)	742007	1
7	ROLLER; MARK 4; 2" DIAMETER STANDARD	743002	26 or 31
8	ROLLER PIN; MARK 4; 2" LG	743001	32 or 37
9*	NUT; 8mm-20 FLANGED	KIT ONLY	2
10*	CLAMP PLATE (air bag)	KIT ONLY	4
11	AIR BAG; MARK 4; 2 1/2" FLAT	760006	13'-2"
12*	SCREW; 8mm-20 x 16mm LG	KIT ONLY	2
13*	NYLON LOCKNUT; 8mm	KIT ONLY	2
14*	SCREW; 8mm-20 x 30mm	KIT ONLY	2
15*	RUBBER INSERT PLUG; MARK 4; 2.5" W	763007	1
16*	ELBOW; 5/16" OD	773010	1
17	BARBED INSERT FITTING; 5/16"	763015	1
18	NUT BAR; 6mm	944004	30
19	MAIN CHANNEL; ALUMINUM; MARK 4, SERIES 4W; 13'-2" MODULES	744010	1
20	SCREW; M5 x 16 TORX DRIVE (T25)	940027	12
21	NUT; BINX, M5	941017	12
22	AIRLINE GROMMET	714004	2
23	ACETAL STRIP; .02 X 2-13/16	714007	13'-8"
24	GUIDE ANGLE	741038	6
25	*AIR BAG ASSEMBLY (CONTAINS ITEMS # 9-17) 2.5" WIDE FLAT	760018	1

NOT SHOWN:

TOP PLATE; MARK 4, SERIES 4; FOLDED 4 5/8" W X 29 1/2" L; 6" PITCH (5 ROLLERS)	741037	1
ROLLER CHANNEL ASSEMBLY (COMPLETE w/ ROLLERS) MARK 4, SERIES 4; 6" PITCH (5 ROLLERS)	742017	1
MODULE; MARK 4, SERIES 4W; 13' 2" 4"/6" PITCH (31 ROLLERS)	740027	
MODULE; MARK 4, SERIES 4W; 13' 2" 6" PITCH (26 ROLLERS)	740028	

*2.5" AIRBAG CLAMP KIT (Items 9, 10, 12-17) sold as kit only 762001 1

** INCLUDES ITEMS 20, 21 AND 24

CAD DWG FILE NAME		E.C.N.		LTR		DESCRIPTION OF CHANGE		DATE	BY	CHK'D	
MR000047A-LAI											
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						APPROVED BY:		DRAWN BY CJD			
		SCALE: N/A		DATE: 10/1/03		E.C.N.:		ISSUED			
				MK4, SER. 4W; FLDTP; 1995-PRESENT							
DO NOT SCALE DRAWING		13'-2" MODULES (FOLDED)				DRAWING NUMBER		MR000047A			

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ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1 **	TOP PLATE; MARK 4, SERIES 4; FLD; FRONT (CLAMP) 6" PITCH (10 ROLLERS); 4-5/8" X 59 1/2" LG	741006	1
2	TOP PLATE SCREW; 6mm x 15mm TORX DRIVE (T30)	943003	26
3 **	TOP PLATE; MARK 4, SERIES 4; FLD; REAR (INLET) 6" PITCH (11 ROLLERS); 4-5/8" X 64" LG	741007	1
4	LOGO PLATE; MARK 4, SERIES 4, FLD 4 5/8" W 2 1/2" L	741012	2
5	ROLLER CHANNEL ASSEMBLY (COMPLETE w/ ROLLERS) MARK 4, SERIES 4; 6" PITCH (10 ROLLERS)	742006	1
6	ROLLER CHANNEL ASSEMBLY (COMPLETE w/ ROLLERS) MARK 4, SERIES 4; 6" PITCH (11 ROLLERS)	742007	1
7	ROLLER; MARK 4; 2" DIAMETER STANDARD	743002	21
8	ROLLER PIN; MARK 4; 2.75" LG	743001	27
9 *	NUT; 8mm-20 FLANGED	KIT ONLY	2
10 *	CLAMP PLATE (air bag)	KIT ONLY	4
11	AIR BAG; MARK 4; 2 1/2" FLAT	760006	11'-6"
12 *	SCREW; 8mm-20 x 16mm LG	KIT ONLY	2
13 *	NYLON LOCKNUT; 8mm	KIT ONLY	2
14 *	SCREW; 8mm-20 x 30mm	KIT ONLY	2
15 *	RUBBER INSERT PLUG; MARK 4; 2.5" W	763007	1
16 *	ELBOW; 5/16" OD	773010	1
17	BARBED INSERT FITTING; 5/16"	763015	1
18	NUT BAR; 6mm	944004	26
19	MAIN CHANNEL; ALUMINUM; MARK 4, SERIES 4W; 11'-6" MODULES	744011	1
20	SCREW; M5 x 11 POSI DRIVE	940027	12
22	AIRLINE GROMMET	714004	2
23	ACETAL STRIP; .02 X 2-13/16	714007	12'-6"
24	GUIDE ANGLE	741038	6

*AIR BAG ASSEMBLY 2.5" WIDE FLAT 11'-6" LG
(CONTAINS ITEMS # 9-17) 760025 1

NOT SHOWN:

TOP PLATE; MARK 4, SERIES 4; FOLDED
4 5/8" W X 12" L; 6" PITCH (2 ROLLERS) 741011 1

ROLLER CHANNEL ASSEMBLY (COMPLETE w/ ROLLERS)
MARK 4, SERIES 4; 6" PITCH (2 ROLLERS) 742004 1

MODULE; MARK 4, SERIES 4W; 11' 6"
6" PITCH (23 ROLLERS) 740042

*2.5" AIRBAG CLAMP KIT (Items 9, 10, 12-17) sold as kit only 762004 1

** INCLUDES ITEMS 20, 21 AND 24

	B	UPDATED ITEM #5 / 740042 WAS 21 ROLLER	3/8/06	WIM	
CAD DWG FILE NAME	A	UPDATE ITEMS #8,#20,#21,#25	2/8/06	WIM	
MR000047B	E.C.N.	LTR	DESCRIPTION OF CHANGE	DATE	BY
					CHK'D
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	SCALE: N/A	APPROVED BY:	DRAWN BY: CJD		
.XX ±	DATE: 10/1/03	E.C.N.:	ISSUED		
.XXX ±	MK4, SER. 4W; FLDTP; 1995-1998				
ANGLES ±	DO NOT SCALE DRAWING		DRAWING NUMBER MR000047B		

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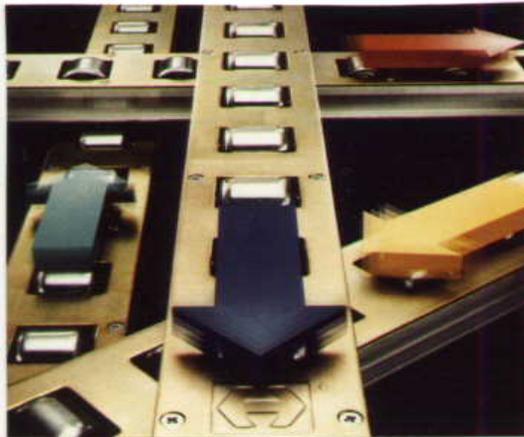
ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1 **	TOP PLATE; MARK 4, SERIES 4; FLD; FRONT (CLAMP) 6" PITCH (8 ROLLERS); 4-5/8" X 46" LG	741018	1
2	TOP PLATE SCREW; 6mm x 15mm TORX DRIVE (T30)	943003	20
3 **	TOP PLATE; MARK 4, SERIES 4; FLD; REAR (INLET) 6" PITCH (10 ROLLERS); 4-5/8" X 64" LG	741007	1
4	LOGO PLATE; MARK 4, SERIES 4, FLD 4 5/8" W 2 1/2" L	741012	1
5	ROLLER CHANNEL ASSEMBLY (COMPLETE w/ ROLLERS) MARK 4, SERIES 4; 6" PITCH (8 ROLLERS)	742011	1
6	ROLLER CHANNEL ASSEMBLY (COMPLETE w/ ROLLERS) MARK 4, SERIES 4; 6" PITCH (11 ROLLERS)	742007	1
7	ROLLER; MARK 4; 2" DIAMETER STANDARD	743002	19
8	ROLLER PIN; MARK 4; 2.75" LG	743001	21
9 *	NUT; 8mm-20 FLANGED	KIT ONLY	2
10*	CLAMP PLATE (air bag)	KIT ONLY	4
11	AIR BAG; MARK 4; 2 1/2" FLAT	760006	9'-0"
12*	SCREW; 8mm-20 x 16mm LG	KIT ONLY	2
13*	NYLON LOCKNUT; 8mm	KIT ONLY	2
14*	SCREW; 8mm-20 x 30mm	KIT ONLY	2
15*	RUBBER INSERT PLUG; MARK 4; 2.5" W	763007	1
16*	ELBOW; 5/16" OD	773010	1
17	BARBED INSERT FITTING; 5/16"	763015	1
18	NUT BAR; 6mm	944004	20
19	MAIN CHANNEL; ALUMINUM; MARK 4, SERIES 4W; 9'-0" MODULES	744027	1
20	SCREW; M5 x 11 POSI DRIVE	940027	12
22	AIRLINE GROMMET	714004	2
23	ACETAL STRIP; .02 X 2-13/16	714007	10'-0"
24	GUIDE ANGLE	741038	6
	*AIR BAG ASSEMBLY 2.5" WIDE FLAT 9'-0" LG (CONTAINS ITEMS # 9-17)	760055	1
	NOT SHOWN: MODULE; MARK 4, SERIES 4W; 9' 0" 6" PITCH (19 ROLLERS)	740053	
	*2.5" AIRBAG CLAMP KIT (Items 9, 10, 12-17) sold as kit only	762004	1
	** INCLUDES ITEMS 20, 21 AND 24		

CAD DWG FILE NAME MR000047C	B	UPDATED ITEM #19	3/8/06	WIM	
	A	UPDATE ITEMS #8,#20,#21,#25	2/8/06	WIM	
	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 CJD		
.XXX ±	DATE: 10/1/03	E.C.N.:	ISSUED		
ANGLES ±	MK4, SER. 4W; FLDT; 1995-1998				
DO NOT SCALE DRAWING	9'-0" MODULES (FOLDED)		DRAWING NUMBER MR000047C		

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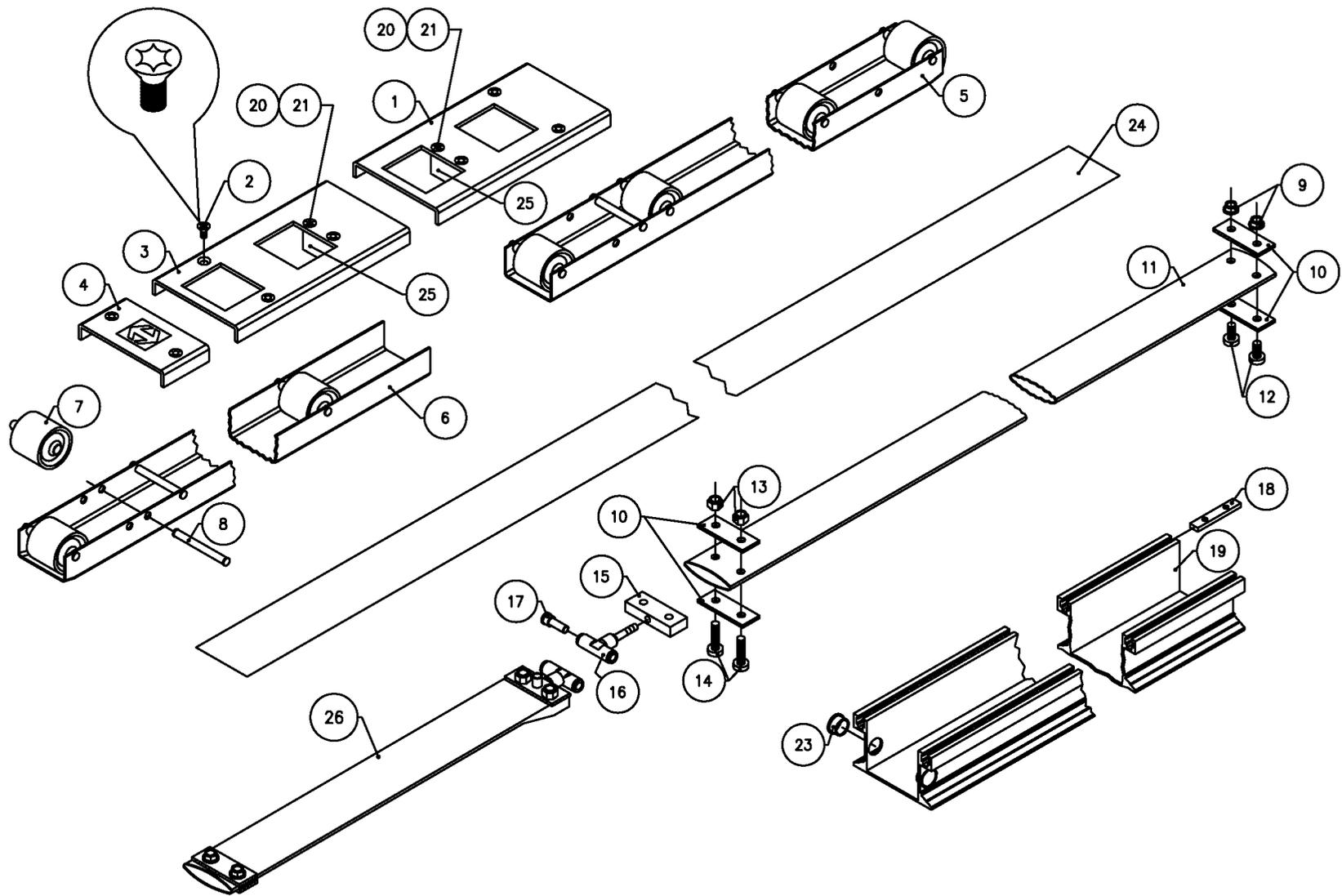


*MARK 4, SERIES 4 w/
FOLDED TOP PLATES*



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AUTOMATION, INC.
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(910) 791-2125
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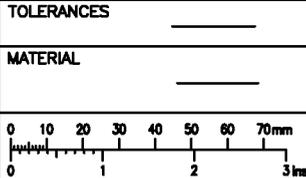
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 WRITTEN CONSENT OF THE COMPANY



SCALE A2
 1:25



USED ON



MARK 4 SERIES 4 ROLLER TRACK
 STANDARD (FOLDED) TOP PLATE
 2" WIDE ROLLERS 1995 to PRESENT

ISS	REVISION	DRN	DATE	APP	DATE
A	ORIGINAL	MC	9.14.00		
DRG. No. MR000050					

ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1A**	TOP PLATE; MARK 4, SERIES 4; FLD; FRONT (CLAMP) 6" PITCH (11 ROLLERS); 4-5/8" X 64" LG	741007	1
1B**	TOP PLATE; MARK 4, SERIES 4; FLD; FRONT (CLAMP) 4" PITCH (16 ROLLERS); 4-5/8" 64" LG	741015	1
2	TOP PLATE SCREW; 6mm x 16mm TORX DRIVE (T30)	943003	26
3A**	TOP PLATE; MARK 4, SERIES 4; FLD; REAR (INLET) 6" PITCH (10 ROLLERS); 4-5/8" X 59-1/2" LG	741006	1
3B**	TOP PLATE; MARK 4, SERIES 4; FLD; REAR (INLET) 4" PITCH (15 ROLLERS); 4-5/8" X 59-1/2" LG	741005	1
4	LOGO PLATE; MARK 4, SERIES 4, FLD; 4.625" WIDE X 2.5" LG	741012	1
5A	ROLLER CHANNEL ASSEMBLY; FRONT (CLAMP) 6" PITCH (11 RLRS)	742007	1
5B	ROLLER CHANNEL ASSEMBLY; FRONT (CLAMP) 4" PITCH (16 RLRS)	742003	1
6A	ROLLER CHANNEL ASSEMBLY; REAR (INLET) 6" PITCH (10 RLRS)	742006	1
6B	ROLLER CHANNEL ASSEMBLY; REAR (INLET) 4" PITCH (15 RLRS)	742005	1
7	ROLLER; MARK 4; 2" DIAMETER STANDARD	743002	23, 28, or 34
8	ROLLER PIN; MARK 4; 2-3/4" LG	743001	27, 32, or 38
9 *	NUT; 8mm-20 FLANGED	KIT ONLY	2
10*	CLAMP PLATE (air bag)	KIT ONLY	4
11	AIR BAG; MARK 17; 2 1/2" FLAT (same as MK4)	760006	11'-6"
12*	SCREW; 8mm-20 x 16mm LG	KIT ONLY	2
13*	NYLON LOCKNUT; 8mm	KIT ONLY	2
14*	SCREW; 8mm-20 x 30mm	KIT ONLY	2
15*	RUBBER INSERT PLUG; MARK 4; 2.5" W	763007	1
16*	AIR BAG TEE; 5/16" OD TUBE ENDS	763006	1
17	BLANKING PLUG; 5/16" OD	773009	AS REQ'D
18	NUT BAR; 6mm	944004	26
19	MAIN CHANNEL; ALUMINUM; 11'-6" MODULES see note below***	744005	1
20	SCREW; M5 x 11 POSI DRIVE	940027	12
22	TRACK FLANGE MOUNTING CLIP *(not shown)	714011	AS REQ'D
23	AIRLINE GROMMET	714004	2
24	ACETAL STRIP; .02 X 2-13/16	714007	12'-6"
25	GUIDE ANGLE	741038	6
	*AIR BAG ASSEMBLY 2.5" WIDE FLAT, 11'6" LG (CONTAINS ITEMS # 9-16)	760009	1
**	** INCLUDES ITEMS 20, 21 AND 25		
	TOP PLATE; FLD; SHORT 6" PITCH (2 RLRS); 4-5/8" X 12" LG	741011	1
	TOP PLATE; FLD; SHORT 4" PITCH (3 RLRS); 4-5/8" X 12" LG	741017	1
	ROLLER CRADLE ASSEMBLY; SHORT 6" PITCH (2 RLRS)	742004	1
	ROLLER CRADLE ASSEMBLY; SHORT 4" PITCH (3 RLRS)	742010	1
	MOD.; MK4; S4; 11'-6"; FLDT; 4"P (34 RLRS) COMPLETE	740009	
	MOD.; MK4; S4; 11'-6"; FLDT; 4"P/6"P (28 RLRS) COMPLETE	740004	
	MOD.; MK4; S4; 11'-6"; FLDT; 6"P (23 RLRS) COMPLETE	740014	

* *2.5" AIRBAG CLAMP KIT (Items 9, 10, 12-16) sold as kit only 762001 1

*** NOTE: As of January 1999, the track clip main channel is obsolete. The new main channel has an angled foot and no longer requires the clips. Screws go right through the foot.

PLEASE REFERENCE DRAWING MR000050 FOR ASSEMBLY

	B	ADDED MODULES 740004, 740009, 740014	3/8/06	WIM	
CAD DWG FILE NAME	A	UPDATE ITEMS #2, #4, #20, #21, #26	2/8/06	WIM	
MR000050A	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 CJD	
.XXX ±	DATE	7/22/03	E.C.N.:	ISSUED	
ANGLES ±	MK4, SER. 4; FLDT; 1995-1998				
DO NOT SCALE DRAWING	11'-6" MODULES (FOLDED)		DRAWING NUMBER MR000050A		

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ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1A**	TOP PLATE; MARK 4, SERIES 4; FLD; FRONT (CLAMP) 6" PITCH (11 ROLLERS); 4-5/8" X 64" LG	741007	1
1B**	TOP PLATE; MARK 4, SERIES 4; FLD; FRONT (CLAMP) 4" PITCH (16 ROLLERS); 4-5/8" 64" LG	741015	1
2	TOP PLATE SCREW; 6mm x 15mm TORX DRIVE (T30)	943003	22
3A**	TOP PLATE; MARK 4, SERIES 4; FLD; REAR (INLET) 6" PITCH (10 ROLLERS); 4-5/8" X 59-1/2" LG	741006	1
3B**	TOP PLATE; MARK 4, SERIES 4; FLD; REAR (INLET) 4" PITCH (15 ROLLERS); 4-5/8" X 59-1/2" LG	741005	1
4	LOGO PLATE; MARK 4, SERIES 4, FLD; 6" WIDE	741012	1
5A	ROLLER CHANNEL ASSEMBLY; FRONT (CLAMP) 6" PITCH (11 RLRS)	742007	1
5B	ROLLER CHANNEL ASSEMBLY; FRONT (CLAMP) 4" PITCH (16 RLRS)	742003	1
6A	ROLLER CHANNEL ASSEMBLY; REAR (INLET) 6" PITCH (10 RLRS)	742006	1
6B	ROLLER CHANNEL ASSEMBLY; REAR (INLET) 4" PITCH (15 RLRS)	742005	1
7	ROLLER; MARK 4; 2" DIAMETER STANDARD	743002	21, 26, or 31
8	ROLLER PIN; MARK 4; 2-3/4" LG	743001	25, 30, or 35
9*	NUT; 8mm-20 FLANGED	KIT ONLY	2
10*	CLAMP PLATE (air bag)	KIT ONLY	4
11	AIR BAG; MARK 17; 2 1/2" FLAT (same as MK4)	760006	10'-6"
12*	SCREW; 8mm-20 x 16mm LG	KIT ONLY	2
13*	NYLON LOCKNUT; 8mm	KIT ONLY	2
14*	SCREW; 8mm-20 x 30mm	KIT ONLY	2
15*	RUBBER INSERT PLUG; MARK 4; 2.5" W	763007	1
16*	AIR BAG TEE; 5/16" OD TUBE ENDS	763006	1
17	BLANKING PLUG; 5/16" OD	773009	AS REQ'D
18	NUT BAR; 6mm	944004	22
19	MAIN CHANNEL; ALUMINUM; 10'-6" MODULES see note below***	744006	1
20	SCREW; M5 x 16 TORX DRIVE (T25)	940027	8
21	NUT; BINX, M5	941017	8
22	TRACK FLANGE MOUNTING CLIP ***(not shown)	714011	AS REQ'D
23	AIRLINE GROMMET	714004	2
24	ACETAL STRIP; .02 X 2-13/16	714007	11'-6"
25	GUIDE ANGLE	741038	4
26	*AIR BAG ASSEMBLY (CONTAINS ITEMS # 9-16) 2.5" WIDE FLAT	760008	1
**	** INCLUDES ITEMS 20, 21 AND 25		
	MOD.; MK4; S4; 10'-6"; FLDTP; 4"P (31 RLRS) COMPLETE	740008	
	MOD.; MK4; S4; 10'-6"; FLDTP; 4"P/6"P (26 RLRS) COMPLETE	740006	
	MOD.; MK4; S4; 10'-6"; FLDTP; 6"P (21 RLRS) COMPLETE	740010	
*	*2.5" AIRBAG CLAMP KIT (Items 9, 10, 12-16) sold as kit only	762001	1

*** NOTE: As of January 1999, the track clip main channel is obsolete. The new main channel has an angled foot and no longer requires the clips. Screws go right through the foot.

PLEASE REFERENCE DRAWING MR000050 FOR ASSEMBLY

CADD FILE NAME MR000050B-LAI						
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		
TOLERANCES UNLESS OTHERWISE SPECIFIED		SCALE: N/A		APPROVED BY:		DRAWN BY: CJD
.XX	±	DATE: 7/22/03		E.C.N.:		ISSUED
.XXX	±	MK4, SER. 4; FLDTP; 1998-PRESENT				
ANGLES	±					
DO NOT SCALE DRAWING		10'-6" MODULES (FOLDED)		DRAWING NUMBER MR000050B		

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ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1A**	TOP PLATE; MARK 4, SERIES 4; FLD; FRONT (CLAMP) 6" PITCH (8 ROLLERS); 4-5/8" X 46" LG	741018	1
1B**	TOP PLATE; MARK 4, SERIES 4; FLD; FRONT (CLAMP) 4" PITCH (11 ROLLERS); 4-5/8" 46" LG	741019	1
2	TOP PLATE SCREW; 6mm x 15mm TORX DRIVE (T30)	943003	20
3A**	TOP PLATE; MARK 4, SERIES 4; FLD; REAR (INLET) 6" PITCH (10 ROLLERS); 4-5/8" X 59-1/2" LG	741006	1
3B**	TOP PLATE; MARK 4, SERIES 4; FLD; REAR (INLET) 4" PITCH (15 ROLLERS); 4-5/8" X 59-1/2" LG	741005	1
4	LOGO PLATE; MARK 4, SERIES 4, FLD; 6" WIDE	741012	1
5A	ROLLER CHANNEL ASSEMBLY; FRONT (CLAMP) 6" PITCH (8 RLRS)	742011	1
5B	ROLLER CHANNEL ASSEMBLY; FRONT (CLAMP) 4" PITCH (11 RLRS)	742012	1
6A	ROLLER CHANNEL ASSEMBLY; REAR (INLET) 6" PITCH (10 RLRS)	742006	1
6B	ROLLER CHANNEL ASSEMBLY; REAR (INLET) 4" PITCH (15 RLRS)	742005	1
7	ROLLER; MARK 4; 2" DIAMETER STANDARD	743002	18 OR 26
8	ROLLER PIN; MARK 4; 2-3/4" LG	743001	22 OR 30
9*	NUT; 8mm-20 FLANGED	KIT ONLY	2
10*	CLAMP PLATE (air bag)	KIT ONLY	4
11	AIR BAG; MARK 17; 2 1/2" FLAT (same as MK4)	760006	9'-0"
12*	SCREW; 8mm-20 x 16mm LG	KIT ONLY	2
13*	NYLON LOCKNUT; 8mm	KIT ONLY	2
14*	SCREW; 8mm-20 x 30mm	KIT ONLY	2
15*	RUBBER INSERT PLUG; MARK 4; 2.5" W	763007	1
16*	AIR BAG TEE; 5/16" OD TUBE ENDS	763006	1
17	BLANKING PLUG; 5/16" OD	773009	AS REQ'D
18	NUT BAR; 6mm	944004	20
19	MAIN CHANNEL; ALUMINUM; 9'-0" MODULES see note below***	744007	1
20	SCREW; M5 x 16 TORX DRIVE (T25)	940027	8
21	NUT; BINX, M5	941017	8
22	TRACK FLANGE MOUNTING CLIP ***(not shown)	714011	AS REQ'D
23	AIRLINE GROMMET	714004	2
24	ACETAL STRIP; .02 X 2-13/16	714007	10'-0"
25	GUIDE ANGLE	741038	4
26	*AIR BAG ASSEMBLY (CONTAINS ITEMS #9-16) 2.5" WIDE FLAT	760004	1
**	** INCLUDES ITEMS 20, 21 AND 25		
	MOD.; MK4; S4; 9'-0"; FLTP; 4" P (26 RLRS) COMPLETE	740016	
	MOD.; MK4; S4; 9'-0"; FLTP; 6" P (18 RLRS) COMPLETE	740017	
*	*2.5" AIRBAG CLAMP KIT (Items 9, 10, 12-16) sold as kit only	762001	1

NOTE: As of January 1999, the track clip main channel is
*** obsolete. The new main channel has an angled foot and no longer requires the clips. Screws go right through the foot.

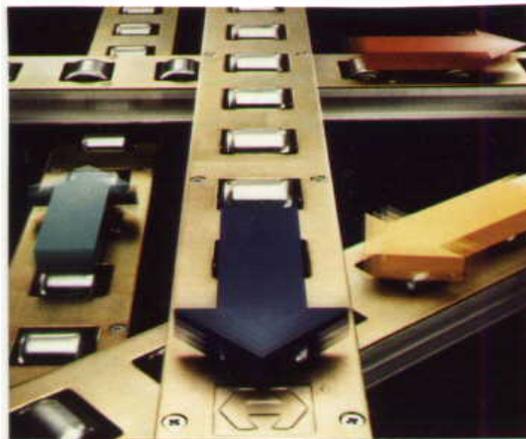
PLEASE REFERENCE DRAWING MR000050 FOR ASSEMBLY

CADD FILE NAME MR000051C-LAI						
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		
TOLERANCES UNLESS OTHERWISE SPECIFIED		SCALE: N/A		APPROVED BY:		DRWEN BY: CJD
.XX	±	DATE: 7/22/03		E.C.N.:		ISSUED
.XXX	±	MK4, SER. 4; FLTP; 1998-PRESENT				
ANGLES	±	DO NOT SCALE DRAWING		DRAWING NUMBER MR000050C		

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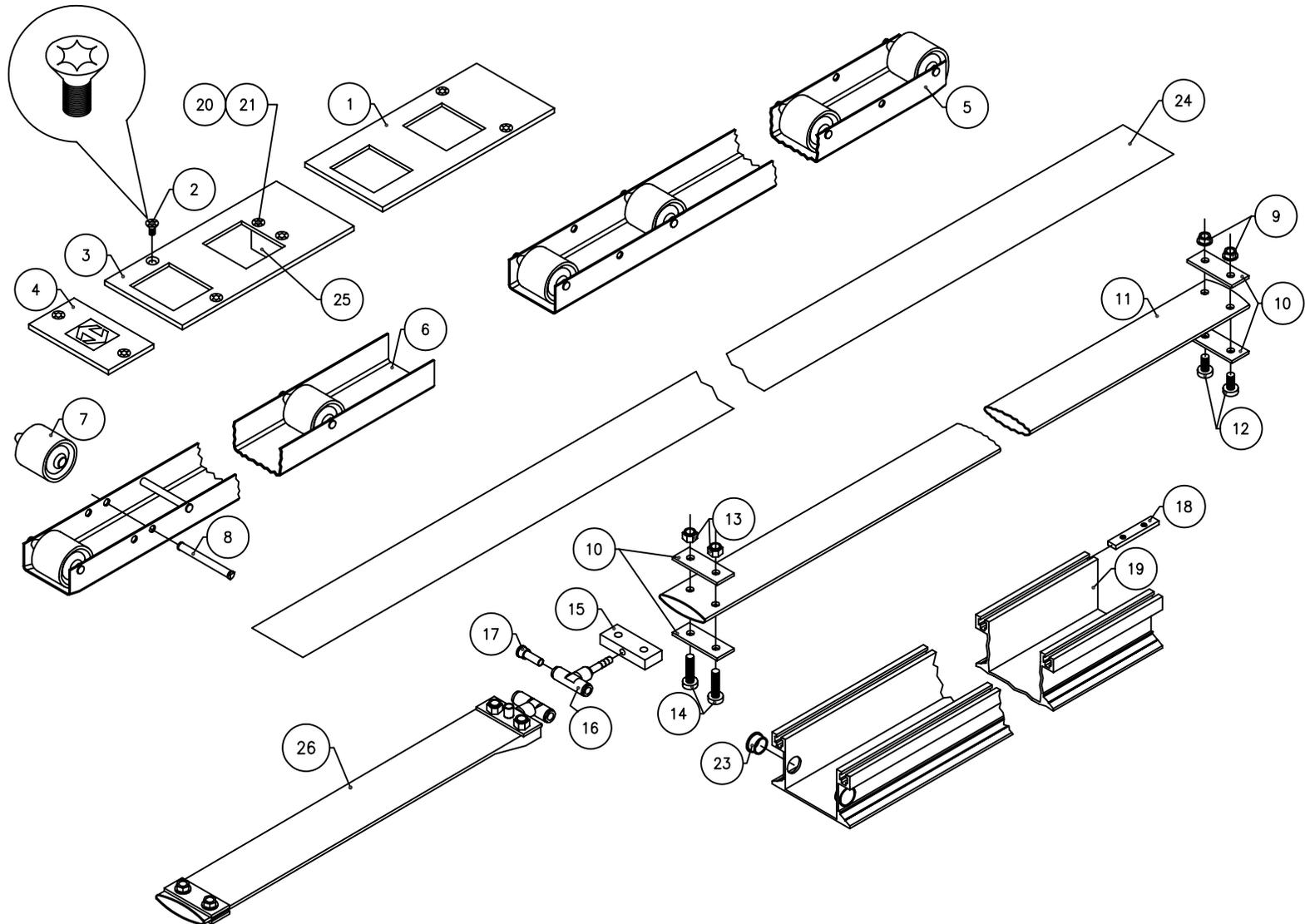


*MARK 4, SERIES 4 w/
HEAVY-DUTY TOP PLATES*



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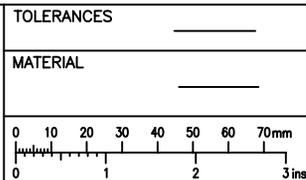


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SCALE A2
1:25



USED ON



MARK 4 SERIES 4 ROLLER TRACK
HEAVY DUTY (1/4") NARROW TOP PLATE
2" WIDE ROLLERS 1995 to PRESENT

A	ORIGINAL	MC	9.14.00		
ISS	REVISION	DRN	DATE	APP	DATE

DRG. No. MR000051

ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1A**	TOP PLATE; MARK 4, SERIES 4; FRONT (CLAMP) 6" PITCH (11 RLRs); 4-5/16" W X 64" LG X 1/4" THK	741024	1
1B**	TOP PLATE; MARK 4, SERIES 4; FRONT (CLAMP) 4" PITCH (16 RLRs); 4-5/16" W X 64" LG X 1/4" THK	741025	1
2	TOP PLATE SCREW; 6mm x 15mm TORX DRIVE (T30)	943003	26
3A**	TOP PLATE; MARK 4, SERIES 4; REAR (INLET) 6" PITCH (10 RLRs); 4-5/16" W X 59-1/2" LG X 1/4" THK	741026	1
3B**	TOP PLATE; MARK 4, SERIES 4; REAR (INLET) 4" PITCH (15 RLRs); 4-5/16" W X 59-1/2" LG X 1/4" THK	741027	1
4	LOGO PLATE; MARK 4, SERIES 4, 6" WIDE 4 5/16" W X 2 1/2" LG X 1/4" THK	741028	1
5A**	RCA FRONT (CLAMP); 6" PITCH (11 ROLLERS)	742007	1
5B**	RCA FRONT (CLAMP); 4" PITCH (16 ROLLERS)	742003	1
6A**	RCA REAR (INLET); 6" PITCH (10 ROLLERS)	742006	1
6B**	RCA REAR (INLET); 4" PITCH (15 ROLLERS)	742005	1
7	ROLLER; MARK 4; 2" DIAMETER STANDARD	743002	23, 28, or 34
8	ROLLER PIN; MARK 4; 2-3/4" LG	743001	27, 30, or 38
9 *	NUT; 8mm-20 FLANGED	KIT ONLY	2
10*	CLAMP PLATE (air bag)	KIT ONLY	4
11	AIR BAG; MARK 17; 2 1/2" FLAT (same as MK4)	760006	11'-6"
12*	SCREW; 8mm-20 x 16mm LG	KIT ONLY	2
13*	NYLON LOCKNUT; 8mm	KIT ONLY	2
14*	SCREW; 8mm-20 x 30mm	KIT ONLY	2
15*	RUBBER INSERT PLUG; MARK 4; 2.5" W	763007	1
16*	AIR BAG TEE; 5/16" OD TUBE ENDS	763006	1
17	BLANKING PLUG; 5/16" OD	773009	AS REQ'D
18	NUT BAR; 6mm	944004	26
19	MAIN CHANNEL; ALUMINUM; 11'-6" MODULES see note below***	744005	1
20	SCREW; M5 x 16 TORX DRIVE (T25)	940027	12
21	NUT; BINX, M5	941017	12
22	TRACK FLANGE MOUNTING CLIP ***(not shown)	714011	AS REQ'D
23	AIRLINE GROMMET	714004	2
24	ACETAL STRIP; .02 X 2-13/16	714007	12'-6"
25	GUIDE ANGLE	741038	6
26	*AIR BAG ASSEMBLY (CONTAINS ITEMS # 9-16) 2.5" WIDE FLAT	760009	1
**	** INCLUDES ITEMS 20, 21 AND 25		
*	*2.5" AIRBAG CLAMP KIT (Items 9, 10, 12-16) sold as kit only	762001	1

NOT SHOWN:

TOP PLATE; SHORT 6" PITCH (2 RLRs); 4-5/8" X 12" LG	741011	1
TOP PLATE; SHORT 4" PITCH (3 RLRs); 4-5/8" X 12" LG	741017	1
ROLLER CRADLE ASSEMBLY; SHORT 6" PITCH (2 RLRs)	742004	1
ROLLER CRADLE ASSEMBLY; SHORT 4" PITCH (3 RLRs)	742010	1

*** NOTE: As of January 1999, the track clip main channel is obsolete. The new main channel has an angled foot and no longer requires the clips. Screws go right through the foot.

PLEASE REFERENCE DRAWING MR000051 FOR ASSEMBLY

CAD DWG FILE NAME	E.C.N.	LTR	DESCRIPTION OF CHANGE	DATE	BY	CHK'D
MR000051A-LAI						
<u>TOLERANCES UNLESS OTHERWISE SPECIFIED</u> .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: CJD		
	DATE: 7/22/03	E.C.N.:		ISSUED		
	MK4, SER. 4; HDTP; 1998-PRESENT			DRAWING NUMBER		
DO NOT SCALE DRAWING	11'-6" MODULES			MR000051A		

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ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1A**	TOP PLATE; MARK 4, SERIES 4; FRONT (CLAMP) 6" PITCH (11 RLRS); 4-5/16" W X 64" LG X 1/4" THK	741024	1
1B**	TOP PLATE; MARK 4, SERIES 4; FRONT (CLAMP) 4" PITCH (16 RLRS); 4-5/16" W X 64" LG X 1/4" THK	741025	1
2	TOP PLATE SCREW; 6mm x 15mm TORX DRIVE (T30)	943003	22
3A**	TOP PLATE; MARK 4, SERIES 4; REAR (INLET) 6" PITCH (10 RLRS); 4-5/16" W X 59-1/2" LG X 1/4" THK	741026	1
3B**	TOP PLATE; MARK 4, SERIES 4; REAR (INLET) 4" PITCH (15 RLRS); 4-5/16" W X 59-1/2" LG X 1/4" THK	741027	1
4	LOGO PLATE; MARK 4, SERIES 4, 6" WIDE 4 5/16" W X 2 1/2" LG X 1/4" THK	741028	1
5A**	RCA FRONT (CLAMP); 6" PITCH (11 ROLLERS)	742007	1
5B**	RCA FRONT (CLAMP); 4" PITCH (16 ROLLERS)	742003	1
6A**	RCA REAR (INLET); 6" PITCH (10 ROLLERS)	742006	1
6B**	RCA REAR (INLET); 4" PITCH (15 ROLLERS)	742005	1
7	ROLLER; MARK 4; 2" DIAMETER STANDARD	743002	21, 26, or 31
8	ROLLER PIN; MARK 4; 2-3/4" LG	743001	25, 30, or 35
9*	NUT; 8mm-20 FLANGED	KIT ONLY	2
10*	CLAMP PLATE (air bag)	KIT ONLY	4
11	AIR BAG; MARK 17; 2 1/2" FLAT (same as MK4)	760006	10'-6"
12*	SCREW; 8mm-20 x 16mm LG	KIT ONLY	2
13*	NYLON LOCKNUT; 8mm	KIT ONLY	2
14*	SCREW; 8mm-20 x 30mm	KIT ONLY	2
15*	RUBBER INSERT PLUG; MARK 4; 2.5" W	763007	1
16*	AIR BAG TEE; 5/16" OD TUBE ENDS	763006	1
17	BLANKING PLUG; 5/16" OD	773009	AS REQ'D
18	NUT BAR; 6mm	944004	22
19	MAIN CHANNEL; ALUMINUM; 10'-6" MODULES see note below***	744013	1
20	SCREW; M5 x 16 TORX DRIVE (T25)	940027	8
21	NUT; BINX, M5	941017	8
22	TRACK FLANGE MOUNTING CLIP ***(not shown)	714011	AS REQ'D
23	AIRLINE GROMMET	714004	2
24	ACETAL STRIP; .02 X 2-13/16	714007	11'-6"
25	GUIDE ANGLE	741038	4
26	*AIR BAG ASSEMBLY (CONTAINS ITEMS # 9-16) 2.5" WIDE FLAT	760008	1
**	** INCLUDES ITEMS 20, 21 AND 25		
*	*2.5" AIRBAG CLAMP KIT (Items 9, 10, 12-16) sold as kit only	762001	1

NOT SHOWN:

*** NOTE: As of January 1999, the track clip main channel is obsolete. The new main channel has an angled foot and no longer requires the clips. Screws go right through the foot.

PLEASE REFERENCE DRAWING MR000051 FOR ASSEMBLY

CAD DWG FILE NAME MR000051B-LAI		E.C.N.	LTR	DESCRIPTION OF CHANGE	DATE	BY	CHK'D
TOLERANCES UNLESS OTHERWISE SPECIFIED .XX ± .XXX ± ANGLES ± DO NOT SCALE DRAWING		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 CJD		
		DATE: 7/22/03	E.C.N.:	ISSUED			
		MK4, SER. 4; HDTP; 1998-PRESENT					
		10'-6" MODULES			DRAWING NUMBER MR000051B		

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ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1A**	TOP PLATE; MARK 4, SERIES 4; FRONT (CLAMP) 6" PITCH (8 RLRS); 4-5/16" W X 46" LG X 1/4" THK	741031	1
1B**	TOP PLATE; MARK 4, SERIES 4; FRONT (CLAMP) 4" PITCH (11 RLRS); 4-5/16" W X 46" LG X 1/4" THK	741032	1
2	TOP PLATE SCREW; 6mm x 15mm TORX DRIVE (T30)	943003	20
3A**	TOP PLATE; MARK 4, SERIES 4; REAR (INLET) 6" PITCH (10 RLRS); 4-5/16" W X 59-1/2" LG X 1/4" THK	741026	1
3B**	TOP PLATE; MARK 4, SERIES 4; REAR (INLET) 4" PITCH (15 RLRS); 4-5/16" W X 59-1/2" LG X 1/4" THK	741027	1
4	LOGO PLATE; MARK 4, SERIES 4, 6" WIDE 4 5/16" W X 2 1/2" LG X 1/4" THK	741028	1
5A**	RCA FRONT (CLAMP); 6" PITCH (8 ROLLERS)	742011	1
5B**	RCA FRONT (CLAMP); 4" PITCH (11 ROLLERS)	742012	1
6A**	RCA REAR (INLET); 6" PITCH (10 ROLLERS)	742006	1
6B**	RCA REAR (INLET); 4" PITCH (15 ROLLERS)	742005	1
7	ROLLER; MARK 4; 2" DIAMETER STANDARD	743002	19 or 28
8	ROLLER PIN; MARK 4; 2-3/4" LG	743001	23 or 32
9 *	NUT; 8mm-20 FLANGED	KIT ONLY	2
10*	CLAMP PLATE (air bag)	KIT ONLY	4
11	AIR BAG; MARK 17; 2 1/2" FLAT (same as MK4)	760006	9'-0"
12*	SCREW; 8mm-20 x 16mm LG	KIT ONLY	2
13*	NYLON LOCKNUT; 8mm	KIT ONLY	2
14*	SCREW; 8mm-20 x 30mm	KIT ONLY	2
15*	RUBBER INSERT PLUG; MARK 4; 2.5" W	763007	1
16*	AIR BAG TEE; 5/16" OD TUBE ENDS	763006	1
17	BLANKING PLUG; 5/16" OD	773009	AS REQ'D
18	NUT BAR; 6mm	944004	20
19	MAIN CHANNEL; ALUMINUM; 9'-0" MODULES see note below***	744015	1
20	SCREW; M5 x 16 TORX DRIVE (T25)	940027	8
21	NUT; BINX, M5	941017	8
22	TRACK FLANGE MOUNTING CLIP *** (not shown)	714011	AS REQ'D
23	AIRLINE GROMMET	714004	2
24	ACETAL STRIP; .02 X 2-13/16	714007	10'-0"
25	GUIDE ANGLE	741038	4
26	*AIR BAG ASSEMBLY (CONTAINS ITEMS # 9-16) 2.5" WIDE FLAT	760004	1
**	** INCLUDES ITEMS 20, 21 AND 25		
*	*2.5" AIRBAG CLAMP KIT (Items 9, 10, 12-16) sold as kit only	762001	1

NOT SHOWN:

*** NOTE: As of January 1999, the track clip main channel is obsolete. The new main channel has an angled foot and no longer requires the clips. Screws go right through the foot.

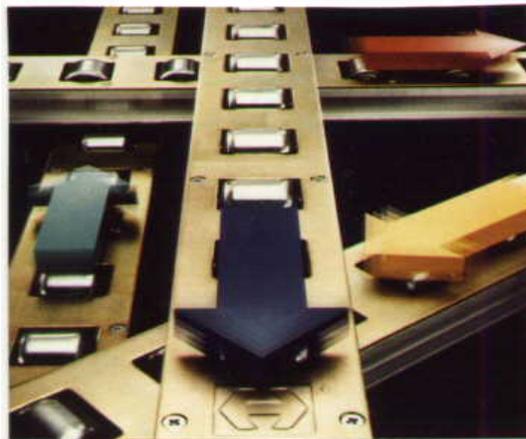
PLEASE REFERENCE DRAWING MR000051 FOR ASSEMBLY

CAD DWG FILE NAME MR000051C-LAI		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: CJD		
		DATE: 7/22/03	E.C.N.:		ISSUED		
		MK4, SER. 4; HDTP; 1998-PRESENT					
DO NOT SCALE DRAWING		9'-0" MODULES			DRAWING NUMBER MR000051C		

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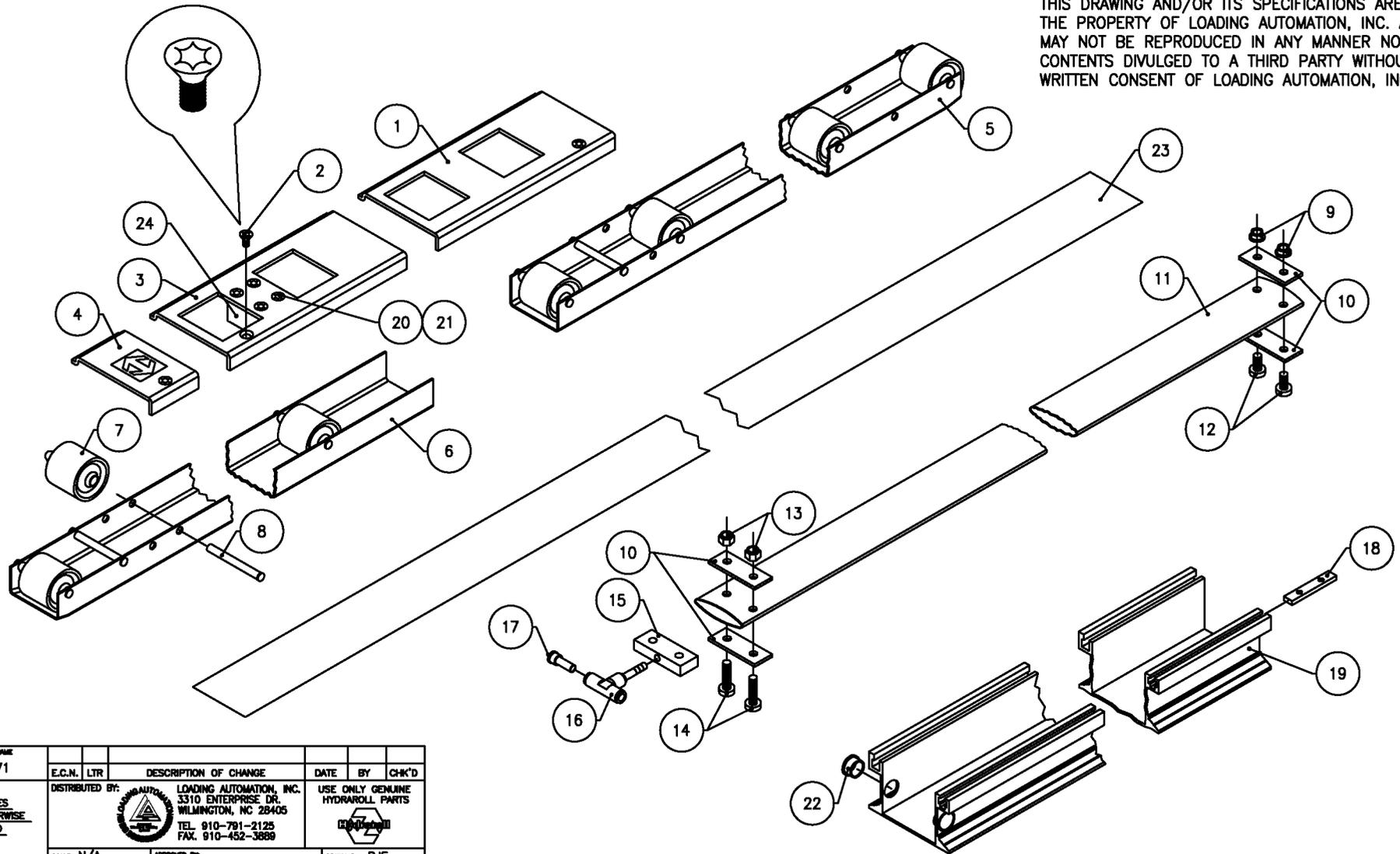
*MARK 4, SERIES 5 w/
QUICK RELEASE TOP PLATES*



Sold and Serviced by:

**LOADING
AUTOMATION, INC.
WILMINGTON, NC
(910) 791-2125
FAX (910) 452-3889
800-264-3184**

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CADD FILE NAME MR000071					
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		
TOLERANCES UNLESS OTHERWISE SPECIFIED		APPROVED BY:		DRAWN BY R/JF	
XXX ±		SOLD N/A		DATE	
XXX ±		DATE 11/17/02		E.C.N.	
ANGLES ±		MK 4, SER. 5; QRTP; 1998-PRESENT			
DO NOT SCALE DRAWING		CADD NUMBER MR000071			

ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1**	TOP PLATE; MARK 4, SERIES 5; FRONT; QUICK RELEASE 4 3/8" W x 61 3/4" L; 6 1/2" PITCH (10 ROLLERS)	741045	1
1**	TOP PLATE; MARK 4, SERIES 5; FRONT; QUICK RELEASE 4 3/8" W x 61 3/4" L; 4 1/2" PITCH (14 ROLLERS)	741044	1
2	TOP PLATE SCREW; 6mm x 16mm TORX DRIVE (T30)	943003	11
3**	TOP PLATE; MARK 4, SERIES 5; REAR; QUICK RELEASE 4 3/8" W x 61 3/4" L; 6 1/2" PITCH (10 ROLLERS)	741045	1
3**	TOP PLATE; MARK 4, SERIES 5; REAR; QUICK RELEASE 4 3/8" W x 61 3/4" L; 4 1/2" PITCH (14 ROLLERS)	741044	1
4	LOGO PLATE; MARK 4, SERIES 5; QUICK RELEASE 4 3/8" W x 2 3/8" L	741043	1
5	ROLLER CHANNEL ASSEMBLY; FRONT RCA; FRONT; 6.5" PITCH (10 ROLLERS)	742021	1
6	ROLLER CHANNEL ASSEMBLY; REAR RCA; FRONT; 6.5" PITCH (10 ROLLERS)	742021	1
7	ROLLER; MARK 4; 2"	743002	20, 24 OR 28
8	ROLLER PIN; MARK 4; 2"	743001	23, 27 OR 31
9*	NUT; 8mm FLANGED	ASSEMBLY ONLY	2
10*	CLAMP PLATE	ASSEMBLY ONLY	4
11	AIR BAG; MARK 4; 2 1/2" FLAT	760006	11'-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; MARK 4	763007	1
16	AIR BAG TEE; 5/16" OD	763006	1
17	BLANKING PLUG; 5/16" OD	773009	AS REQ'D
18	NUT BAR; 6mm	944004	11
19	MAIN CHANNEL; ALUMINUM; 11'-6" L	744005	1
20	SCREW; M5 x 16 TORX DRIVE (T25)	940027	12
21	NUT; BINX, M5	941017	12
22	AIR LINE GROMMET	714004	2
23	ACETAL STRIP; 2 13/16" WIDE	714007	12'-6"
24	GUIDE ANGLE	741038	6

NOT SHOWN:

** TOP PLATE; MARK 4, SERIES 5; QUICK RELEASE 4 3/8" W x 12" L; 6 1/2" PITCH (2 ROLLERS)	1
** TOP PLATE; MARK 4, SERIES 5; QUICK RELEASE 4 3/8" W x 12" L; 4 1/2" PITCH (3 ROLLERS)	1

ROLLER CHANNEL ASSEMBLY; 12" SECTION 742025 1

AIR BAG CLAMP KIT; MARK 4
2 1/2" FLAT (incl.9,10,12-16) 762001 1

AIR BAG ASSEMBLY; MARK 4; 2 1/2" FLAT
11'-6" L (incl. 9-16) 760009 1

MODULE; MARK 4, SERIES 5 (COMPLETE) 740054

* AVAILABLE ONLY AS PART OF KIT 762001

** INCLUDES ITEMS 20, 21 AND 25

CAD DWG FILE NAME		E.C.N. LTR		DESCRIPTION OF CHANGE		DATE	BY	CHK'D
MR000071A								
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: RJF		
.XXX	±	DATE: 11/15/02		E.C.N.:		ISSUED		
ANGLES	±	MK4, SER. 5; QRTP; 1998-PRESENT						
DO NOT SCALE DRAWING		11'-6" MODULES		DRAWING NUMBER MR000071A				

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ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1 **	TOP PLATE; MARK 4, SERIES 5; FRONT; QUICK RELEASE 4 3/8" W x 61 3/4" L; 6 1/2" PITCH (10 ROLLERS)	741045	1
1 **	TOP PLATE; MARK 4, SERIES 5; FRONT; QUICK RELEASE 4 3/8" W x 61 3/4" L; 4 1/2" PITCH (14 ROLLERS)	741044	1
2	TOP PLATE SCREW; 6mm x 16mm TORX DRIVE (T30)	943003	9
3 **	TOP PLATE; MARK 4, SERIES 5; REAR; QUICK RELEASE 4 3/8" W x 61 3/4" L; 6 1/2" PITCH (10 ROLLERS)	741045	1
3 **	TOP PLATE; MARK 4, SERIES 5; REAR; QUICK RELEASE 4 3/8" W x 61 3/4" L; 4 1/2" PITCH (14 ROLLERS)	741044	1
4	LOGO PLATE; MARK 4, SERIES 5; QUICK RELEASE 4 3/8" W x 2 3/8" L	741043	1
5	ROLLER CHANNEL ASSEMBLY; FRONT RCA; FRONT; 6.5" PITCH (10 ROLLERS)	742021	1
6	ROLLER CHANNEL ASSEMBLY; REAR RCA; REAR; 6.5" PITCH (10 ROLLERS)	742021	1
7	ROLLER; MARK 4; 2"	743002	20, 24 OR 28
8	ROLLER PIN; MARK 4; 2"	743001	22, 26 OR 30
9 *	NUT; 8mm FLANGED	ASSEMBLY ONLY	2
10 *	CLAMP PLATE	ASSEMBLY ONLY	4
11	AIR BAG; MARK 4; 2 1/2" FLAT	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; MARK 4	763007	1
16	AIR BAG TEE; 5/16" OD	763006	1
17	BLANKING PLUG; 5/16" OD	773009	AS REQ'D
18	NUT BAR; 6mm	944004	9
19	MAIN CHANNEL; ALUMINUM; 10'-6" L	744006	1
20	SCREW; M5 x 16 TORX DRIVE (T25)	940027	8
21	NUT; BINX, M5	941017	8
22	AIR LINE GROMMET	714004	2
23	ACETAL STRIP; 2 13/16" WIDE	714007	11'-6"
24	GUIDE ANGLE	741038	4

NOT SHOWN:
AIR BAG CLAMP KIT; MARK 4
2 1/2" FLAT (incl.9,10,12-16) 762001 1

AIR BAG ASSEMBLY; MARK 4; 2 1/2" FLAT
10'-6" L (incl. 9-16) 760008 1

MODULE; MARK 4, SERIES 5 (COMPLETE) 740047

* AVAILABLE ONLY AS PART OF KIT 762001
** INCLUDES ITEMS 20, 21 AND 25

CAD DWG FILE NAME MR000071B		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: RJF	
		DATE: 11/15/02		E.C.N.:		ISSUED	
DO NOT SCALE DRAWING		MK4, SER. 5; QRTP; 1998-PRESENT			DRAWING NUMBER MR000071B		

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ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1 **	TOP PLATE; MARK 4, SERIES 5; FRONT; QUICK RELEASE 4 3/8" W x 43 3/4" L; 6 1/2" PITCH (7 ROLLERS)	741046	1
1 **	TOP PLATE; MARK 4, SERIES 5; FRONT; QUICK RELEASE 4 3/8" W x 43 3/4" L; 4 1/2" PITCH (10 ROLLERS)		1
2	TOP PLATE SCREW; 6mm x 16mm TORX DRIVE (T30)	943003	8
3 **	TOP PLATE; MARK 4, SERIES 5; REAR; QUICK RELEASE 4 3/8" W x 61 3/4" L; 6 1/2" PITCH (10 ROLLERS)	741045	1
3 **	TOP PLATE; MARK 4, SERIES 5; REAR; QUICK RELEASE 4 3/8" W x 61 3/4" L; 4 1/2" PITCH (14 ROLLERS)	741044	1
4	LOGO PLATE; MARK 4, SERIES 5; QUICK RELEASE 4 3/8" W x 2 3/8" L	741043	1
5	ROLLER CHANNEL ASSEMBLY; FRONT RCA; FRONT; 6.5" PITCH (7 ROLLERS)	742022	1
6	ROLLER CHANNEL ASSEMBLY; REAR RCA; REAR; 6.5" PITCH (10 ROLLERS)	742021	1
7	ROLLER; MARK 4; 2"	743002	17 OR 24
8	ROLLER PIN; MARK 4; 2"	743001	19 OR 26
9 *	NUT; 8mm FLANGED	ASSEMBLY ONLY	2
10 *	CLAMP PLATE	ASSEMBLY ONLY	4
11	AIR BAG; MARK 4; 2 1/2" FLAT	760006	9'-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; MARK 4	763007	1
16	AIR BAG TEE; 5/16" OD	763006	1
17	BLANKING PLUG; 5/16" OD	773009	AS REQ'D
18	NUT BAR; 6mm	944004	8
19	MAIN CHANNEL; ALUMINUM; 9'-0" L	744007	1
20	SCREW; M5 x 16 TORX DRIVE (T25)	940027	8
21	NUT; BINX, M5	741017	8
22	AIR LINE GROMMET	714004	2
23	ACETAL STRIP; 2 13/16" WIDE	714007	10'-0"
24	GUIDE ANGLE	741038	4

NOT SHOWN:		
AIR BAG CLAMP KIT; MARK 4 2 1/2" FLAT (incl.9,10,12-16)	762001	1
AIR BAG ASSEMBLY; MARK 4; 2 1/2" FLAT 9'-0" L (incl. 9-16)	760004	1
MODULE; MARK 4, SERIES 5 (COMPLETE)	740049	

* AVAILABLE ONLY AS PART OF KIT 762001
** INCLUDES ITEMS 20, 21 AND 25

CAD DWG FILE NAME MR000071C					
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		
TOLERANCES UNLESS OTHERWISE SPECIFIED					
.XX	±				
.XXX	±	SCALE: N/A	APPROVED BY:	DRAWN BY: RJF	
ANGLES	±	DATE: 11/15/02	E.C.N.:	ISSUED	
DO NOT SCALE DRAWING		MK4, SER. 5; QRTP; 1998-PRESENT		DRAWING NUMBER MR000071C	

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ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1	DOES NOT APPLY TO THIS LENGTH MODULE		
2	TOP PLATE SCREW; 6mm x 16mm TORX DRIVE (T30)	943003	
3**	TOP PLATE; MARK 4, SERIES 5; QUICK RELEASE 4 3/8" W x 45 1/2" L; 6 1/2" PITCH (7 ROLLERS)	741051	1
3**	TOP PLATE; MARK 4, SERIES 5; QUICK RELEASE 4 3/8" W x 45 1/2" L; 4 1/2" PITCH (10 ROLLERS)	741050	1
4	LOGO PLATE; MARK 4, SERIES 5; QUICK RELEASE 4 3/8" W x 2 3/8" L	741043	1
5	DOES NOT APPLY TO THIS LENGTH MODULE		
6	ROLLER CHANNEL ASSEMBLY; MARK 4, SERIES 5 RCA; 6.5" PITCH (7 ROLLERS)	742022	1
7	ROLLER; MARK 4; 2"	743002	7 OR 10
8	ROLLER PIN; MARK 4; 2"	743001	8 OR 11
9*	NUT; 8mm FLANGED	ASSEMBLY ONLY	2
10*	CLAMP PLATE	ASSEMBLY ONLY	4
11	AIR BAG; MARK 4; 2 1/2" FLAT	760006	4'-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; MARK 4	763007	1
16	AIR BAG TEE; 5/16" OD	763006	1
17	BLANKING PLUG; 5/16" OD	773009	AS REQ'D
18	NUT BAR; 6mm	944004	
19	MAIN CHANNEL; ALUMINUM; 4'-0" L	744004	1
20	SCREW; M5 x 16 TORX DRIVE (T25)	940027	4
21	NUT; BINX, M5	941017	4
22	AIR LINE GROMMET	714004	2
23	ACETAL STRIP; 2 13/16" WIDE	714007	5'-0"
24	GUIDE ANGLE	741038	2

NOT SHOWN:

AIR BAG CLAMP KIT; MARK 4
2 1/2" FLAT (incl.9,10,12-16)

762001 1

AIR BAG ASSEMBLY; MARK 4; 2 1/2" FLAT
4'-0" L (incl. 9-16)

760002 1

MODULE; MARK 4, SERIES 5 (COMPLETE)
4'0", 6.5"P, QRTP

740062

MODULE; MARK 4, SERIES 5 (COMPLETE)
4'0", 4.5"P, QRTP

740061

* AVAILABLE ONLY AS PART OF KIT 762001

** INCLUDES ITEMS 20, 21 AND 25

CAD DWG FILE NAME MR000071E	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: RJF		
.XXX ±	DATE: 11/15/02	E.C.N.:	ISSUED			
ANGLES ±	MK4, SER. 5; QRTP; 1998-PRESENT					
DO NOT SCALE DRAWING	4'-0" MODULES			DRAWING NUMBER MR000071E		

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ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1	DOES NOT APPLY TO THIS LENGTH MODULE		
2	TOP PLATE SCREW; 6mm x 16mm TORX DRIVE (T30)	943003	
3**	TOP PLATE; MARK 4, SERIES 5; QUICK RELEASE		1
4	4 3/8" W x 33 1/2" L; 4 1/2" PITCH (7 ROLLERS)		
4	LOGO PLATE; MARK 4, SERIES 5; QUICK RELEASE	741043	1
	4 3/8" W x 2 3/8" L		
5	DOES NOT APPLY TO THIS LENGTH MODULE		
6	ROLLER CHANNEL ASSEMBLY; MARK 4, SERIES 5		
	RCA; 4.5" PITCH (7 ROLLERS)		1
7	ROLLER; MARK 4; 2"	743002	7
8	ROLLER PIN; MARK 4; 2"	743001	8
9*	NUT; 8mm FLANGED	ASSEMBLY ONLY	2
10*	CLAMP PLATE	ASSEMBLY ONLY	4
11	AIR BAG; MARK 4; 2 1/2" FLAT	760006	3'-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; MARK 4	763007	1
16	AIR BAG TEE; 5/16" OD	763006	1
17	BLANKING PLUG; 5/16" OD	773009	AS REQ'D
18	NUT BAR; 6mm	944004	
19	MAIN CHANNEL; ALUMINUM; 3'-0" L	744008	1
20	SCREW; M5 x 16 TORX DRIVE (T25)	940027	4
21	NUT; BINX, M5	941017	4
22	AIR LINE GROMMET	714004	2
23	ACETAL STRIP; 2 13/16" WIDE	714007	4'-0"
24	GUIDE ANGLE	741038	2

NOT SHOWN:			
AIR BAG CLAMP KIT; MARK 4	762001	1	
2 1/2" FLAT (incl.9,10,12-16)			
AIR BAG ASSEMBLY; MARK 4; 2 1/2" FLAT	760011	1	
3'-0" L (incl. 9-16)			
MODULE; MARK 4, SERIES 5 (COMPLETE)	740003		

* AVAILABLE ONLY AS PART OF KIT 762001
 ** INCLUDES ITEMS 20, 21 AND 25

CAD DWG FILE NAME		E.C.N.	LTR	DESCRIPTION OF CHANGE	DATE	BY	CHK'D
MR000071F							
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: RJF			
.XXX	±	DATE: 11/15/02	E.C.N.:	ISSUED			
ANGLES	±	MK4, SER. 5; QRTP; 1998-PRESENT					
DO NOT SCALE DRAWING		3'-0" MODULES			DRAWING NUMBER MR000071F		

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ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1	DOES NOT APPLY TO THIS LENGTH MODULE		
2	TOP PLATE SCREW; 6mm x 16mm TORX DRIVE (T30)	943003	
3**	TOP PLATE; MARK 4, SERIES 5; QUICK RELEASE		1
4	4 3/8" W x 21 1/2" L; 4 1/2" PITCH (5 ROLLERS)		
4	LOGO PLATE; MARK 4, SERIES 5; QUICK RELEASE	741043	1
	4 3/8" W x 2 3/8" L		
5	DOES NOT APPLY TO THIS LENGTH MODULE		
6	ROLLER CHANNEL ASSEMBLY; MARK 4, SERIES 5		
	RCA; 4.5" PITCH (5 ROLLERS)		1
7	ROLLER; MARK 4; 2"	743002	5
8	ROLLER PIN; MARK 4; 2"	743001	6
9*	NUT; 8mm FLANGED	ASSEMBLY ONLY	2
10*	CLAMP PLATE	ASSEMBLY ONLY	4
11	AIR BAG; MARK 4; 2 1/2" FLAT	760006	2'-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; MARK 4	763007	1
16	AIR BAG TEE; 5/16" OD	763006	1
17	BLANKING PLUG; 5/16" OD	773009	AS REQ'D
18	NUT BAR; 6mm	944004	
19	MAIN CHANNEL; ALUMINUM; 2'-0" L	744009	1
20	SCREW; M5 x 16 TORX DRIVE (T25)	940027	4
21	NUT; BINX, M5	941017	4
22	AIR LINE GROMMET	714004	2
23	ACETAL STRIP; 2 13/16" WIDE	714007	3'-0"
24	GUIDE ANGLE	741038	2

NOT SHOWN:			
AIR BAG CLAMP KIT; MARK 4	762001	1	
2 1/2" FLAT (incl.9,10,12-16)			
AIR BAG ASSEMBLY; MARK 4; 2 1/2" FLAT	760012	1	
2'-0" L (incl. 9-16)			
MODULE; MARK 4, SERIES 5 (COMPLETE)	740002		

* AVAILABLE ONLY AS PART OF KIT 762001
 ** INCLUDES ITEMS 20, 21 AND 25

CAD DWG FILE NAME MR000071G		E.C.N.	LTR	DESCRIPTION OF CHANGE	DATE	BY	CHK'D
<u>TOLERANCES UNLESS OTHERWISE SPECIFIED</u> .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		
		MK4, SER. 5; QRTP; 1998-PRESENT			DRAWING NUMBER		
DO NOT SCALE DRAWING		2'-0" MODULES			MR000071G		

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ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1	DOES NOT APPLY TO THIS LENGTH MODULE		
2	TOP PLATE SCREW; 6mm x 16mm TORX DRIVE (T30)	943003	5
3**	TOP PLATE; MARK 4, SERIES 5; QUICK RELEASE 4 3/8" W x 61.125" L; 6 1/2" PITCH (9 ROLLERS)	741052	1
4	LOGO PLATE; MARK 4, SERIES 5; QUICK RELEASE 4 3/8" W x 2 3/8" L	741043	1
5	DOES NOT APPLY TO THIS LENGTH MODULE		
6	ROLLER CHANNEL ASSEMBLY; MARK 4, S5 (9 ROLLERS)	742052	1
7	ROLLER; MARK 4; 2"	743002	9
8	ROLLER PIN; MARK 4; 2.75"L	743001	10
9*	NUT; 8mm FLANGED	ASSEMBLY ONLY	2
10*	CLAMP PLATE	ASSEMBLY ONLY	4
11	AIR BAG; MARK 4; 2 1/2" FLAT	760006	5'-3.5"
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; MARK 4	763007	1
16	AIR BAG TEE; 5/16" OD	763006	1
17	BLANKING PLUG; 5/16" OD	773009	AS REQ'D
18	NUT BAR; 6mm	944004	5
19	MAIN CHANNEL; ALUMINUM; 63.5" L	744016	1
20	SCREW; M5 x 16 TORX DRIVE (T25)	940027	4
22	AIR LINE GROMMET	714004	2
23	ACETAL STRIP; 2 13/16" WIDE	714007	6'-3.5"
24	GUIDE ANGLE	741038	2

NOT SHOWN:			
AIR BAG CLAMP KIT; MARK 4 2 1/2" FLAT (incl.9,10,12-16)	762001	1	
AIR BAG ASSY; RED; 2.5"W; 5/16 TEE; 63.5"L 2'-0" L (incl. 9-16)	760062	1	
MODULE; MARK 4, S5, 6.5"P; 63.5"L (COMPLETE) SEE DRAWING MRO00071H	740078		

* AVAILABLE ONLY AS PART OF KIT 762001
** INCLUDES ITEMS 20, 21 AND 25

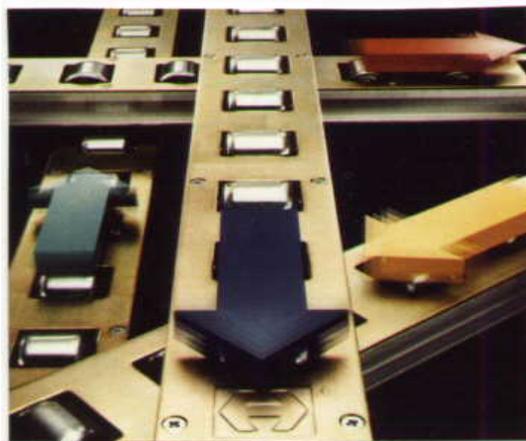
PLEASE REFERENCE DRAWING MRO00071 FOR ASSEMBLY

CAD DWG FILE NAME	E.C.N.	LTR	DESCRIPTION OF CHANGE	DATE	BY	CHK'D
MRO00071I						
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: RJF		
	DATE: 9/5/05	E.C.N.:		ISSUED		
DO NOT SCALE DRAWING	MK4, SER. 5; QRTP; 1998-PRESENT			DRAWING NUMBER MRO00071I		

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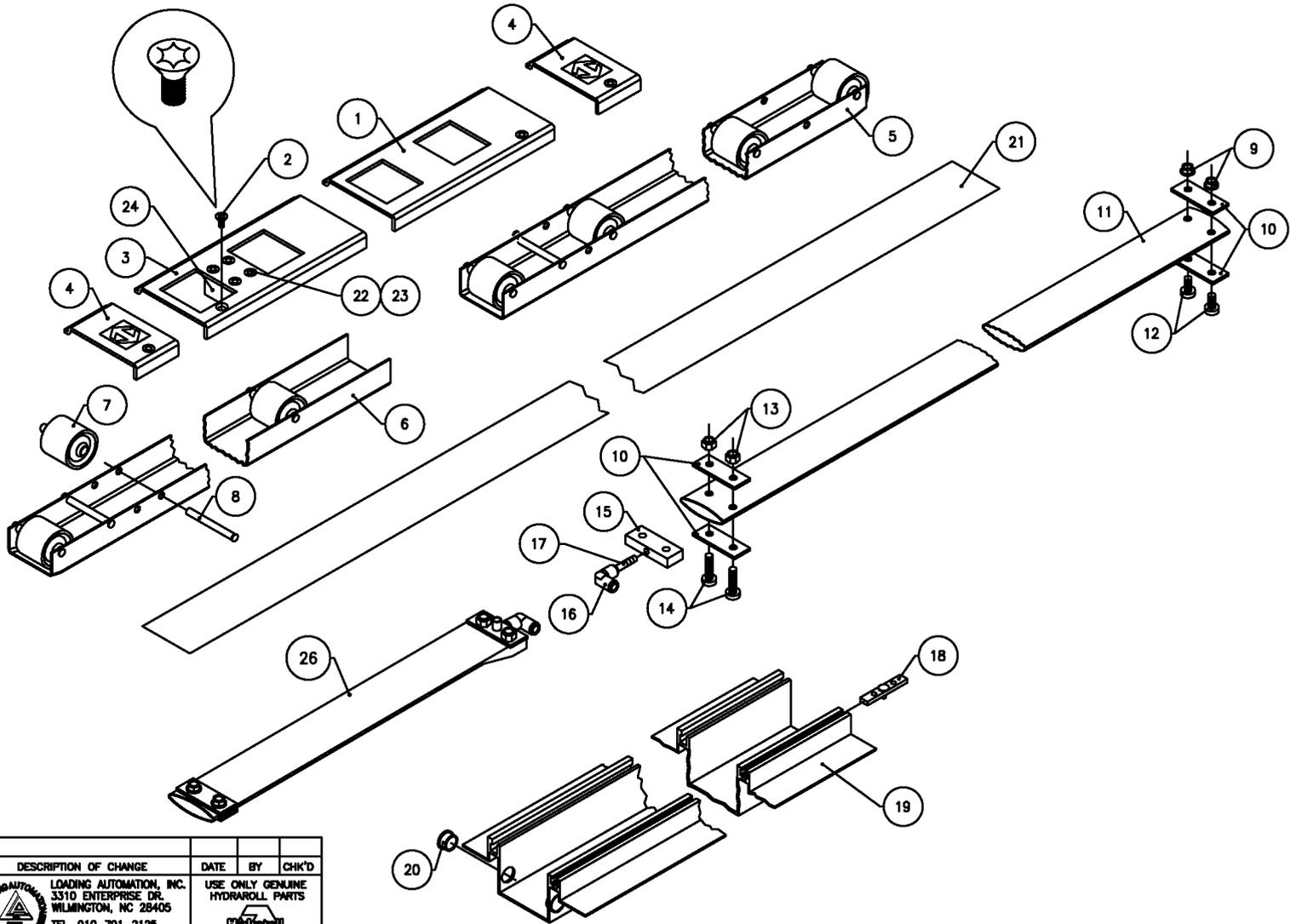


*MARK 4, SERIES 5 w/
QUICK RELEASE TOP PLATES &
WINGED MAIN CHANNELS*



Sold and Serviced by:

**LOADING
AUTOMATION, INC.
WILMINGTON, NC
(910) 791-2125
FAX (910) 452-3889
800-684-3184**



CADD FILE NAME MR000073-LAI					
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		
TOLERANCES UNLESS OTHERWISE SPECIFIED		APPROVED BY:		DRAWN BY RJF	
.XX	±	SCALE N/A		DATE	
.XXX	±	DATE 11/17/02		REVISION	
ANGLES	±	MK 4, SER. 5W; QRTP; 1998-PRESENT			
DO NOT SCALE DRAWING		DRAWING NUMBER MR000073			

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ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1 **	TOP PLATE; MARK 4, SERIES 5; FRONT; QUICK RELEASE 4 3/8" W x 61 3/4" L; 6 1/2" PITCH (10 ROLLERS)	741045	1
2	TOP PLATE SCREW; 6mm x 16mm TORX DRIVE (T30)	943003	15
3 **	TOP PLATE; MARK 4, SERIES 5; REAR; QUICK RELEASE 4 3/8" W x 61 3/4" L; 6 1/2" PITCH (10 ROLLERS)	741045	1
3 **	TOP PLATE; MARK 4, SERIES 5; REAR; QUICK RELEASE 4 3/8" W x 61 3/4" L; 4 1/2" PITCH (14 ROLLERS)	741044	1
4	LOGO PLATE; MARK 4, SERIES 5; QUICK RELEASE 4 3/8" W x 2 3/8" L	741043	1
5	ROLLER CHANNEL ASSEMBLY; FRONT (COMPLETE w/ROLLERS) MARK 4, SERIES 5; 6 1/2" PITCH (10 ROLLERS)	742021	1
6	ROLLER CHANNEL ASSEMBLY; REAR (COMPLETE w/ ROLLERS) MARK 4, SERIES 5; 6 1/2" PITCH (10 ROLLERS)	742021	1
6	ROLLER CHANNEL ASSEMBLY; REAR (COMPLETE w/ ROLLERS) MARK 4, SERIES 5; 4 1/2" PITCH (14 ROLLERS)	742020	1
7	ROLLER; MARK 4; 2"	743002	24 OR 28
8	ROLLER PIN; MARK 4; 2"	743001	27 OR 31
9	NUT; 8mm FLANGED	ASSEMBLY ONLY	2
10*	CLAMP PLATE	ASSEMBLY ONLY	4
11	AIR BAG; MARK 4; 2 1/2" FLAT	760006	13'-2"
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; MARK 4	763007	1
16	ELBOW; 5/16" OD	773010	1
17	BARBED INSERT FITTING; 5/16"	763015	1
18	NUT BAR; 6mm	944004	
19	MAIN CHANNEL; ALUMINUM; MARK 4, SERIES 5W; 13'-2" L	744017	1
20	AIR LINE GROMMET	714004	2
21	ACETAL STRIP; 2 13/16" WIDE	714007	13'-8"
22	SCREW; M5 x 16; TORX DRIVE (T25)	940027	12
23	NUT; BINX; M5	941017	12
24	GUIDE ANGLE	741038	6

NOT SHOWN:

** TOP PLATE; MARK 4, SERIES 5; QUICK RELEASE 4 3/8" W x 29 1/2" L; 6 1/2" PITCH (4 ROLLERS)	741047	1
ROLLER CHANNEL ASSEMBLY (COMPLETE w/ROLLERS) MARK 4, SERIES 5; 6 1/2" PITCH (4 ROLLERS)	742023	1

AIR BAG CLAMP KIT; MARK 4 2 1/2" FLAT (incl.9,10,12-17)	762004	1
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AIR BAG ASSEMBLY; MARK 4; 2 1/2" FLAT 13'-2" L (incl. 9-17)	760018	1
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MODULE; MARK 4, SERIES 5W; 13'-2" 4 1/2" / 6 1/2" PITCH (28 ROLLERS)	740058	
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MODULE; MARK 4, SERIES 5W; 13'-2" 6 1/2" PITCH (24 ROLLERS)	740057	
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* AVAILABLE ONLY AS PART OF KIT 762004

** INCLUDES ITEMS 22, 23 AND 24

CAD DWG FILE NAME MR000073A		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: RJF			
.XXX	±	DATE: 11/15/02		E.C.N.:		ISSUED			
ANGLES	±	MK4, SER. 5W; QRTP; 1998-PRESENT							
DO NOT SCALE DRAWING		DRAWING NUMBER 13'-2" MODULES				MR000073A			

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ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1**	TOP PLATE; MARK 4, SERIES 5; FRONT; QUICK RELEASE 4 3/8" W x 61 3/4" L; 6 1/2" PITCH (10 ROLLERS)	741045	1
2	TOP PLATE SCREW; 6mm x 16mm TORX DRIVE (T30)	943003	11
3**	TOP PLATE; MARK 4, SERIES 5; REAR; QUICK RELEASE 4 3/8" W x 61 3/4" L; 4 1/2" PITCH (14 ROLLERS)	741044	1
3**	TOP PLATE; MARK 4, SERIES 5; REAR; QUICK RELEASE 4 3/8" W x 61 3/4" L; 6 1/2" PITCH (10 ROLLERS)	741045	1
4	LOGO PLATE; MARK 4, SERIES 5; QUICK RELEASE 4 3/8" W x 2 3/8" L	741043	1
5	ROLLER CHANNEL ASSEMBLY; FRONT (COMPLETE w/ ROLLERS) MARK 4, SERIES 5; 6 1/2" PITCH (10 ROLLERS)	742021	1
6	ROLLER CHANNEL ASSEMBLY; REAR (COMPLETE w/ ROLLERS) MARK 4, SERIES 5; 4 1/2" PITCH (14 ROLLERS)	742021	1
6	ROLLER CHANNEL ASSEMBLY; REAR (COMPLETE w/ ROLLERS) MARK 4, SERIES 5; 6 1/2" PITCH (10 ROLLERS)	742020	1
7	ROLLER; MARK 4; 2"	743002	22 OR 26
8	ROLLER PIN; MARK 4; 2"	743001	25 OR 29
9*	NUT; 8mm FLANGED	ASSEMBLY ONLY	2
10*	CLAMP PLATE	ASSEMBLY ONLY	4
11	AIR BAG; MARK 4; 2 1/2" FLAT	760006	11'-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; MARK 4	763007 or 763004	1
16	ELBOW; 5/16" or 3/8"	773010 or 774011	1
17	BARBED INSERT FITTING; 5/16" or 3/8"	763015 or 763014	1
18	NUT BAR; 6mm	944004	11
19	MAIN CHANNEL; ALUMINUM; MARK 4, SERIES 5W; 11'-6" L	744018	1
20	AIR LINE GROMMET	714004	2
21	ACETAL STRIP; 2 13/16" WIDE	714007	12'-6"
22	SCREW; M5 x 16; TORX DRIVE (T25)	940027	12
23	NUT; BINX; M5	941017	12
24	GUIDE ANGLE	741038	6

NOT SHOWN:

**TOP PLATE; MARK 4, SERIES 5; QUICK RELEASE 4 3/8" W x 12" L; 4 1/2" PITCH (3 ROLLERS)	741049	1
**TOP PLATE; MARK 4, SERIES 5; QUICK RELEASE 4 3/8" W x 12" L; 6 1/2" PITCH (2 ROLLERS)	741048	1
ROLLER CHANNEL ASSEMBLY (COMPLETE w/ROLLERS) MARK 4, SERIES 5; 4 1/2" PITCH (3 ROLLERS)	742024	1
ROLLER CHANNEL ASSEMBLY (COMPLETE w/ROLLERS) MARK 4, SERIES 5; 6 1/2" PITCH (2 ROLLERS)	742025	1
AIR BAG CLAMP KIT; MARK 4 2 1/2" FLAT (incl.9,10,12-17)	762004 or 762005	1
AIR BAG ASSEMBLY; MARK 4; 2 1/2" FLAT 11'-6" L (incl. 9-17)	760025	1
MODULE; MARK 4, SERIES 5W; 11'-6" 4 1/2" / 6 1/2" PITCH (26 ROLLERS)	740059	
MODULE; MARK 4, SERIES 5W; 11'-6" 6 1/2" PITCH (22 ROLLERS)	740056	

CAD DWG FILE NAME		E.C.N.		DESCRIPTION OF CHANGE		DATE	BY	CHK'D
MR000073B								
DISTRIBUTED BY:		LOADING AUTOMATION, INC. 3310 ENTERPRISE DR. WILMINGTON, NC 28405 TEL. 910-791-2125 FAX. 910-452-3889		USE ONLY GENUINE HYDRAROLL PARTS				
TOLERANCES UNLESS OTHERWISE SPECIFIED		SCALE: N/A		APPROVED BY:		DRAWN BY: RJF		
.XX ±		DATE: 11/15/02		E.C.N.:		ISSUED		
.XXX ±		MK4, SER. 5W;QRTP;1998-PRESENT						
ANGLES ±		DRAWING NUMBER						
DO NOT SCALE DRAWING		11'-6" MODULES		MR000073B				

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** INCLUDES ITEMS 22, 23 AND 24

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ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1 **	TOP PLATE; MARK 4, SERIES 5; FRONT; QUICK RELEASE 4 3/8" W x 61 3/4" L; 6 1/2" PITCH (10 ROLLERS)	741045	1
2	TOP PLATE SCREW; 6mm x 16mm TORX DRIVE (T30)	943003	11
3 **	TOP PLATE; MARK 4, SERIES 5; REAR; QUICK RELEASE 4 3/8" W x 61 3/4" L; 4 1/2" PITCH (14 ROLLERS)	741044	1
3 **	TOP PLATE; MARK 4, SERIES 5; REAR; QUICK RELEASE 4 3/8" W x 61 3/4" L; 6 1/2" PITCH (10 ROLLERS)	741045	1
4	LOGO PLATE; MARK 4, SERIES 5; QUICK RELEASE 4 3/8" W x 2 3/8" L	741043	1
5	ROLLER CHANNEL ASSEMBLY; FRONT (COMPLETE w/ ROLLERS) MARK 4, SERIES 5; 6 1/2" PITCH (10 ROLLERS)	742021	1
6	ROLLER CHANNEL ASSEMBLY; REAR (COMPLETE w/ ROLLERS) MARK 4, SERIES 5; 4 1/2" PITCH (14 ROLLERS)	742021	1
6	ROLLER CHANNEL ASSEMBLY; REAR (COMPLETE w/ ROLLERS) MARK 4, SERIES 5; 6 1/2" PITCH (10 ROLLERS)	742020	1
7	ROLLER; MARK 4; 2"	743002	22 OR 26
8	ROLLER PIN; MARK 4; 2"	743001	25 OR 29
9 *	NUT; 8mm FLANGED	ASSEMBLY ONLY	2
10 *	CLAMP PLATE	ASSEMBLY ONLY	4
11	AIR BAG; MARK 4; 2 1/2" FLAT	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; MARK 4	763007 or 763004	1
16	ELBOW; 5/16" or 3/8"	773010 or 774011	1
17	BARBED INSERT FITTING; 5/16" or 3/8"	763015 or 763014	1
18	NUT BAR; 6mm	944004	11
19	MAIN CHANNEL; ALUMINUM; MARK 4, SERIES 5W; 10'-6" L	744019	1
20	AIR LINE GROMMET	714004	2
21	ACETAL STRIP; 2 13/16" WIDE	714007	11'-6"
22	SCREW; M5 x 16; TORX DRIVE (T25)	940027	12
23	NUT; BINX; M5	941017	12
24	GUIDE ANGLE	741038	6

NOT SHOWN:

**TOP PLATE; MARK 4, SERIES 5; QUICK RELEASE 4 3/8" W x 12" L; 4 1/2" PITCH (3 ROLLERS)	741049	1
**TOP PLATE; MARK 4, SERIES 5; QUICK RELEASE 4 3/8" W x 12" L; 6 1/2" PITCH (2 ROLLERS)	741048	1
ROLLER CHANNEL ASSEMBLY (COMPLETE w/ROLLERS) MARK 4, SERIES 5; 4 1/2" PITCH (3 ROLLERS)	742024	1
ROLLER CHANNEL ASSEMBLY (COMPLETE w/ROLLERS) MARK 4, SERIES 5; 6 1/2" PITCH (2 ROLLERS)	742025	1
AIR BAG CLAMP KIT; MARK 4 2 1/2" FLAT (incl.9,10,12-17)	762004 or 762005	1
AIR BAG ASSEMBLY; MARK 4; 2 1/2" FLAT 10'-6" L (incl. 9-17)	760025	1
MODULE; MARK 4, SERIES 5W; 10'-6" 4 1/2" / 6 1/2" PITCH (26 ROLLERS)	740065	
MODULE; MARK 4, SERIES 5W; 10'-6" 6 1/2" PITCH (22 ROLLERS)	740066	

CAD DWG FILE NAME		E.C.N.		LTR		DESCRIPTION OF CHANGE		DATE		BY		CHK'D	
MR000073C													
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: RJF							
.XXX	±	DATE: 10/2/03		E.C.N.:		ISSUED							
ANGLES	±	MK4, SER. 5W;Q RTP;1998-PRESENT											
DO NOT SCALE DRAWING		10'-6" MODULES						DRAWING NUMBER MR000073C					

* AVAILABLE ONLY AS PART OF KIT 762004
** INCLUDES ITEMS 22, 23 AND 24

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CONTENTS DIVULGED TO A THIRD PARTY WITHOUT THE
WRITTEN CONSENT OF LOADING AUTOMATION, INC.

ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1	DOES NOT APPLY TO THIS LENGTH MODULE		
2	TOP PLATE SCREW; 6mm x 16mm TORX DRIVE (T30)	943003	
3**	TOP PLATE; MARK 4, SERIES 5; QUICK RELEASE 4 3/8" W x 45 1/2" L; 6 1/2" PITCH (7 ROLLERS)	741051	1
3**	TOP PLATE; MARK 4, SERIES 5; QUICK RELEASE 4 3/8" W x 45 1/2" L; 4 1/2" PITCH (10 ROLLERS)	741050	1
4	LOGO PLATE; MARK 4, SERIES 5; QUICK RELEASE 4 3/8" W x 2 3/8" L	741043	1
5	DOES NOT APPLY TO THIS LENGTH MODULE		
6	ROLLER CHANNEL ASSEMBLY; MARK 4, SERIES 5 RCA; 6.5" PITCH (7 ROLLERS)	742022	1
7	ROLLER; MARK 4; 2"	743002	7 OR 10
8	ROLLER PIN; MARK 4; 2"	743001	8 OR 11
9*	NUT; 8mm FLANGED	ASSEMBLY ONLY	2
10*	CLAMP PLATE	ASSEMBLY ONLY	4
11	AIR BAG; MARK 4; 2 1/2" FLAT	760006	4'-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; MARK 4	763007	1
16	AIR BAG TEE; 5/16" OD	763006	1
17	BLANKING PLUG; 5/16" OD	773009	AS REQ'D
18	NUT BAR; 6mm	944004	
19	MAIN CHANNEL; ALUMINUM; 4'-0" L	744020	1
20	SCREW; M5 x 16 TORX DRIVE (T25)	940027	4
21	NUT; BINX, M5	941017	4
22	AIR LINE GROMMET	714004	2
23	ACETAL STRIP; 2 13/16" WIDE	714007	5'-0"
24	GUIDE ANGLE	741038	2

NOT SHOWN:

AIR BAG CLAMP KIT; MARK 4
2 1/2" FLAT (incl.9,10,12-16) 762001 1

AIR BAG ASSEMBLY; MARK 4; 2 1/2" FLAT
4'-0" L (incl. 9-16) 760002 1

MODULE; MARK 4, SERIES 5W (COMPLETE)
4'0", 6.5"P, QRTP 740084

MODULE; MARK 4, SERIES 5W (COMPLETE)
4'0", 4.5"P, QRTP 740085

* AVAILABLE ONLY AS PART OF KIT 762001

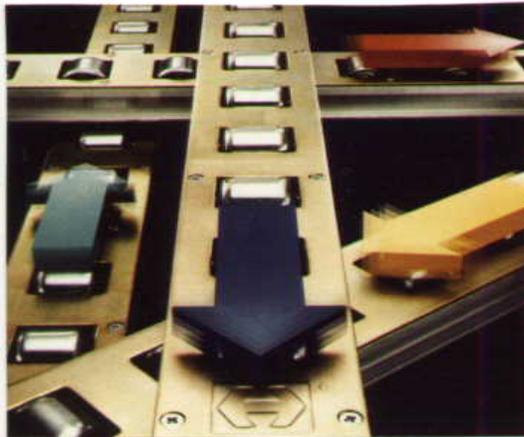
** INCLUDES ITEMS 20, 21 AND 25

CAD DWG FILE NAME MRO00073D					
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		
TOLERANCES UNLESS OTHERWISE SPECIFIED		 			
.XX	±	SCALE: N/A	APPROVED BY:	DRAWN BY RJF	
.XXX	±	DATE: 10/2/03	E.C.N.:	ISSUED	
ANGLES	±	MK4, SER. 5W; QRTP; 1998-PRESENT			
DO NOT SCALE DRAWING		4'-0" MODULES	DRAWING NUMBER MRO00073D		

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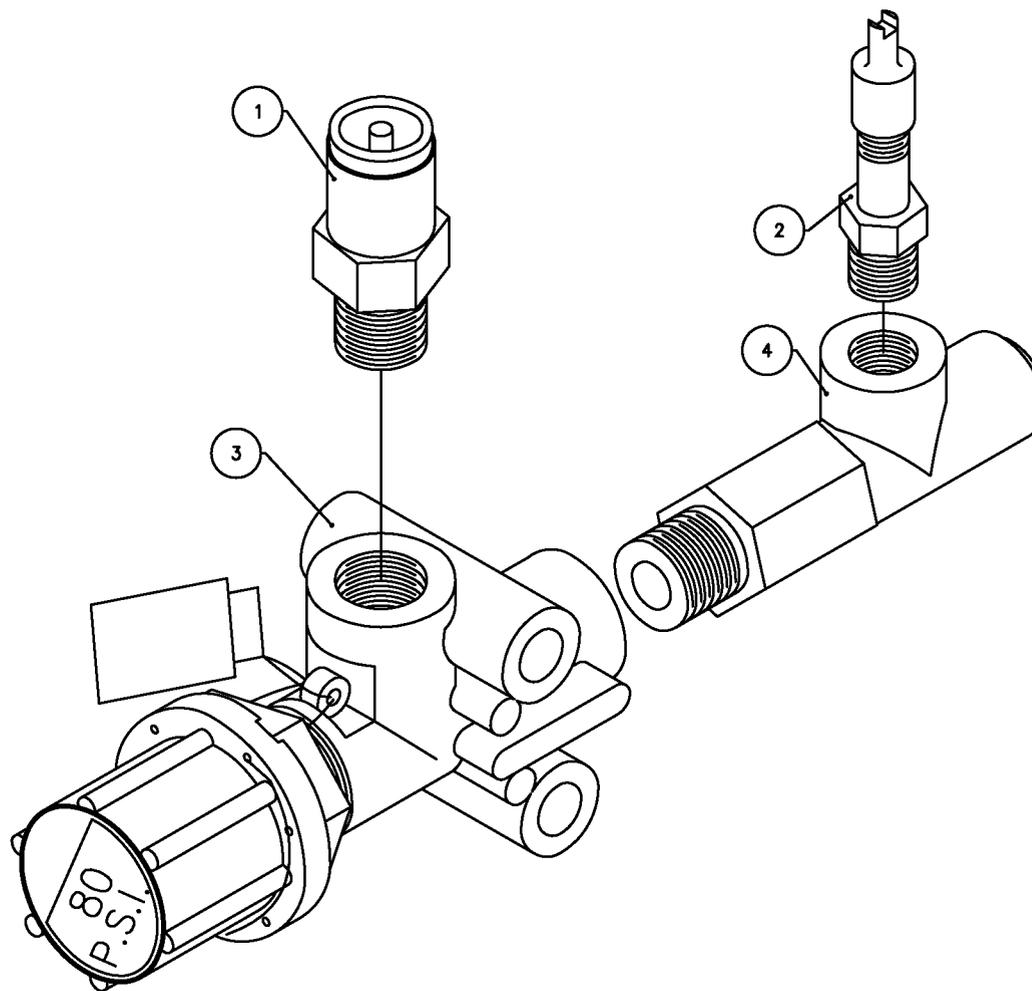


COMMON COMPONENTS ROLLER TRACK SYSTEMS



Sold and Serviced by:

**LOADING
AUTOMATION, INC.
WILMINGTON, NC
(910) 791-2125
FAX (910) 452-3889
800-264-3184**



DISTRIBUTED BY:



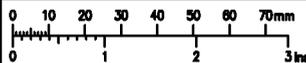
LOADING AUTOMATION, INC.
 3310 ENTERPRISE DR.
 WILMINGTON, NC 28405
 TEL. 910-791-2125
 FAX. 910-452-3889

USE ONLY GENUINE
 HYDRAROLL PARTS

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TOLERANCES

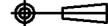
MATERIAL



SCALE

NTS

PROJECTION



USED ON



PRESSURE PROTECTION VALVE
 PPV - ASSEMBLY
 STANDARD

ISS	REVISION	DRN	DATE	APP	DATE
A	ORIGINAL	JM	5.17.00		
DRG. No. MR000001					

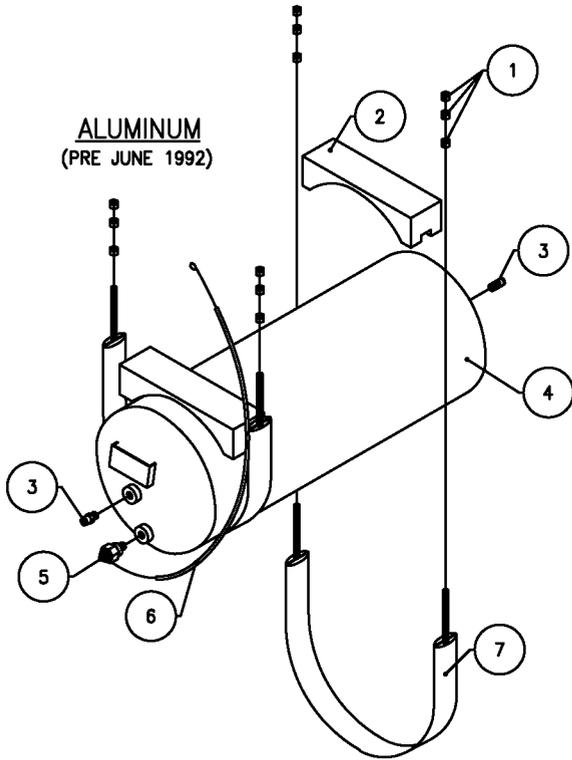
ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1	STUD COUPLING; 3/8" T (D.O.T.) x 1/4" BSP	775006	1
2	SCHRADER VALVE; 1/8" BSP	772028	1
3	VALVE BODY; 80 psi	772004	1
4	NON-RETURN VALVE; 5/16" T	772029	1
5	PRESSURE PROTECTION VALVE (PPV) ASSEMBLY	772016	1

CADD FILE NAME MR000001A		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	
		PRESSURE PROTECTION VALVE (PPV) ASS'Y						DRAWING NUMBER			
DO NOT SCALE DRAWING								MR000001A			

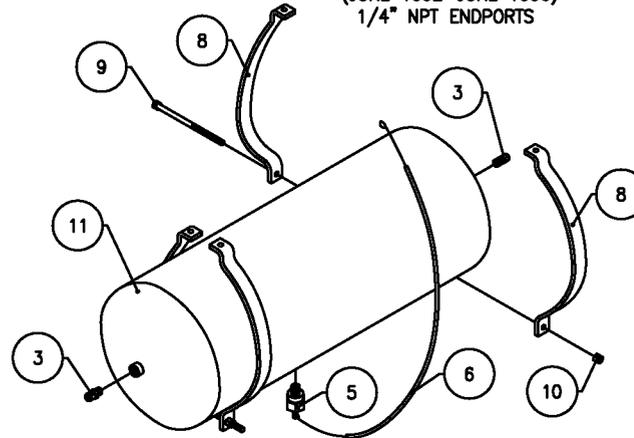
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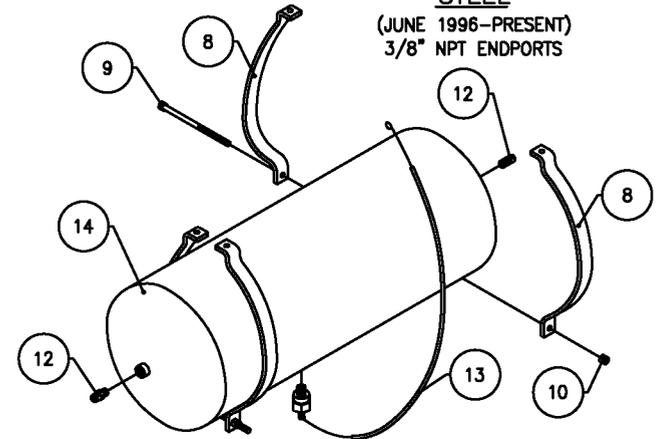
ALUMINUM
(PRE JUNE 1992)



STEEL
(JUNE 1992-JUNE 1996)
1/4" NPT ENDPORTS



STEEL
(JUNE 1996-PRESENT)
3/8" NPT ENDPORTS



DWD DWG FILE NAME MR000002					
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. 910-452-3888	USE ONLY GENUINE HYDRAROLL PARTS		
TOLERANCES UNLESS OTHERWISE SPECIFIED					
.XX	±				
.XXX	±				
ANGLES	±				
DO NOT SCALE DRAWING		DRAWING NUMBER MR000002			

ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1	NUT; 3/8" NYLOC	941009	12
2	WOOD SADDLE BLOCK	USE STEEL BRACKETS	2
3	STUD COUPLING; 5/16" T x 1/4" NPT	773008	2
4	ALUMINUM AIR TANK RESERVOIR *	USE STEEL TANK	1
5	DRAIN VALVE ***	REPLACED BY 770008	1
6	PULL CABLE	770006	1
7	AIR TANK STRAP	USE STEEL BRACKETS	2
8	BRACKET; PAIR; 12" STEEL	770003	2
9	BOLT; 3/8" x 6" HEX HEAD GRADE 8	770004	2
10	NUT; 3/8" NYLOC	941009	2
11	STEEL AIR TANK RESERVOIR w/ 1/4" NPT ENDPORIS **	OBSOLETE	1
12	STUD COUPLING; 5/16" T x 3/8" NPT	773017	2
13	DRAIN VALVE WITH CABLE	770008	1
14	STEEL AIR TANK RESERVOIR w/ 3/8" NPT ENDPORIS	770002	1

ALUMINUM AIR TANK ASSEMBLY (incl. 1-7) * USE STEEL AIR TANK ASSEMBLY 1

STEEL AIR TANK ASSEMBLY (incl. 8-10,12-14) 770000 1
JUNE 1996 - PRESENT

* NOTE: ALUMINUM RESERVOIR OBSOLETE AS OF JUNE 1992
USE STEEL AIR TANK FOR REPLACEMENT PART

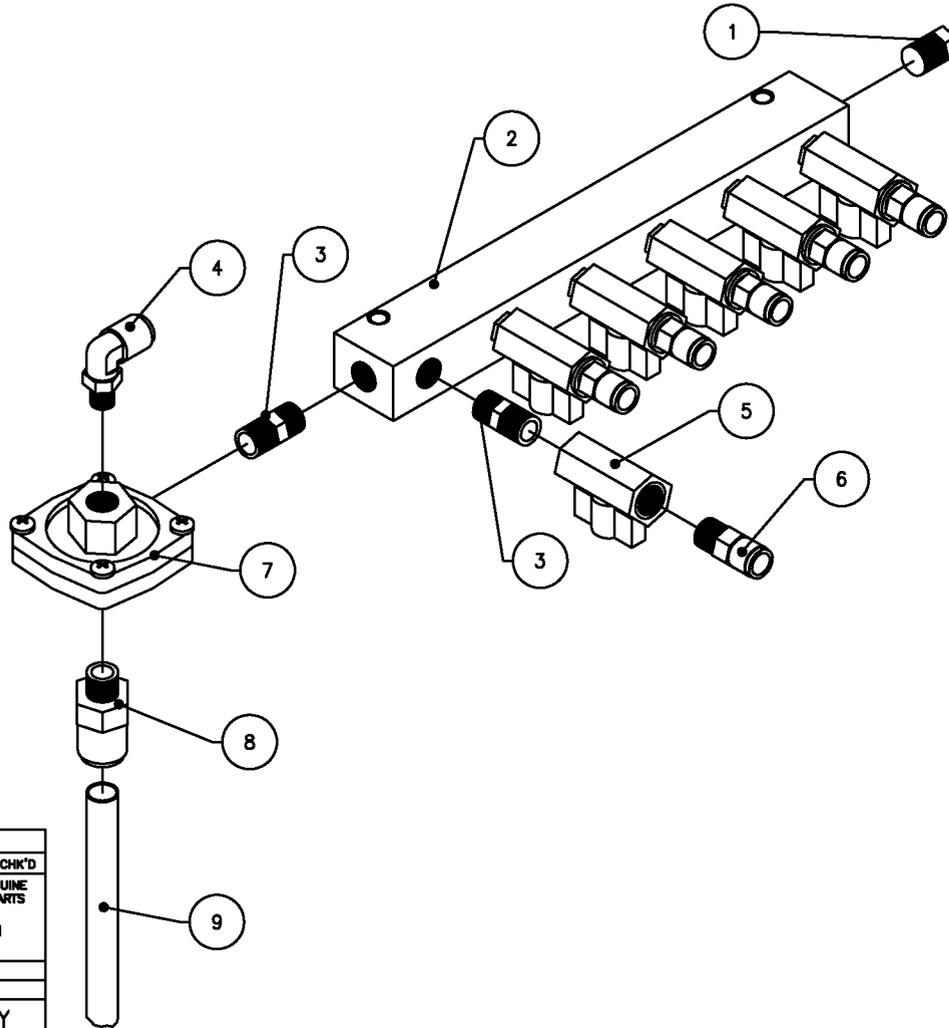
** NOTE: AS OF JUNE 1996, THE STEEL AIR TANK WITH 1/4" NPT ENDPORIS IS OBSOLETE. IT HAS BEEN REPLACED BY A TANK WITH 3/8" ENDPORIS. BE SURE THAT 3/8" STUD COUPLINGS ARE USED WITH THE NEW RESERVOIR.

*** NOTE: AS OF MAY 1996, THE DRAIN VALVE (P/N 770001) AND CABLE (P/N 770006) HAVE BEEN REPLACED BY A DRAIN VALVE WITH CABLE ASSEMBLY (P/N 770008). THE DRAIN VALVE (P/N 770001) IS OBSOLETE, BUT THE PULL CABLE (P/N 770006) IS AVAILABLE FOR REPLACEMENT PURPOSES.

CWD DWG FILE NAME MR000002A		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		ISSUED	
		DATE: 11/15/02		E.C.N.:					
DO NOT SCALE DRAWING		AIR RESERVOIRS				DRAWING NUMBER MR000002A			

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CAD DWG FILE NAME MR000007	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 DATE: 11/17/02	APPROVED BY: _____ E.C.N.: _____	DRAWN BY: RJF _____ BUILT: _____
DO NOT SCALE DRAWING	TRACK ISOLATION VALVE (TIV) ASSEMBLY DRAWING NUMBER MR000007				

ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1	TIV BLANKING PLUG; BRASS; 1/4" NPT	778003	1
2	MANIFOLD BLOCK; ALUMINUM; 6-PORT	772030	1
3	NIPPLE; HEX; BRASS; 1/4" NPT x 1/4" NPT	778001	7
4	SWIVEL ELBOW; 5/16" T x 1/4" NPT	773012	1
5	SHUT-OFF VALVE WITH RED KNOB	772005	6
6	STUD COUPLING; 5/16" T x 1/4" NPT	773008	6
7	QUICK EXHAUST VALVE; BODY ONLY *	772006	1
8	STUD COUPLING; 12mm T x 1/4" NPT	776001	1
9	QEV TUBE; 12mm 6"LONG	776002	1
10	QUICK EXHAUST VALVE ASSEMBLY (incl. 3,4,7-9) **	772026	1
11	TRACK ISOLATION VALVE ASSEMBLY (TIV) 6-PORT MANIFOLD WITH 6 VALVES; COMPLETE	772018	1
	TRACK ISOLATION VALVE ASSEMBLY (TIV) 6-PORT MANIFOLD WITH 4 VALVES; COMPLETE	772050	1

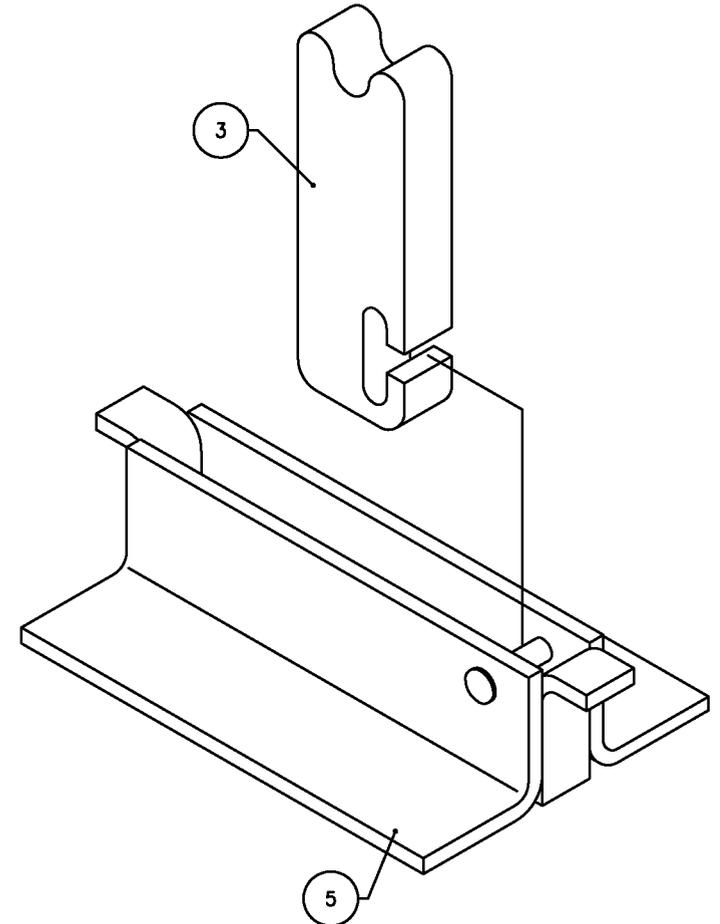
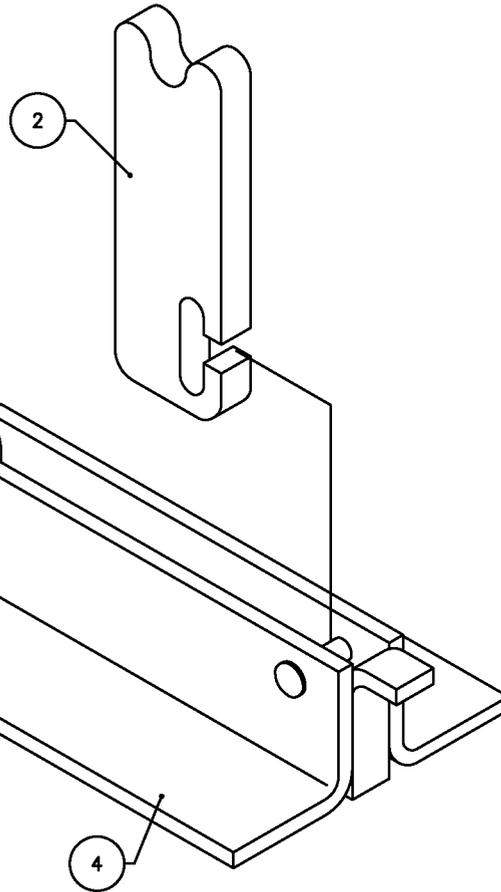
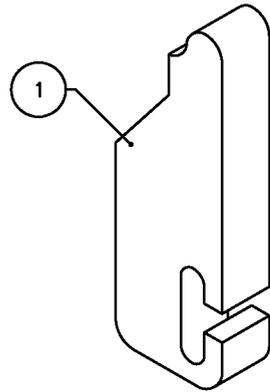
* NOTE: REPLACES ORIGINAL ISSUE – 1991
QUICK EXHAUST VALVE (HUMPHREY) 700331

** NOTE: REPLACES ORIGINAL ISSUE – 1991
QUICK EXHAUST VALVE ASSEMBLY HA-201F0801

CAD DWG FILE NAME MR000007A		A	ADDED 4 VALVE TIV, CHANGED TUBE DESC.	1/23/06	RJF	
	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		
TRACK ISOLATION VALVE (TIV) ASSEMBLY						
DO NOT SCALE DRAWING				DRAWING NUMBER MR000007A		

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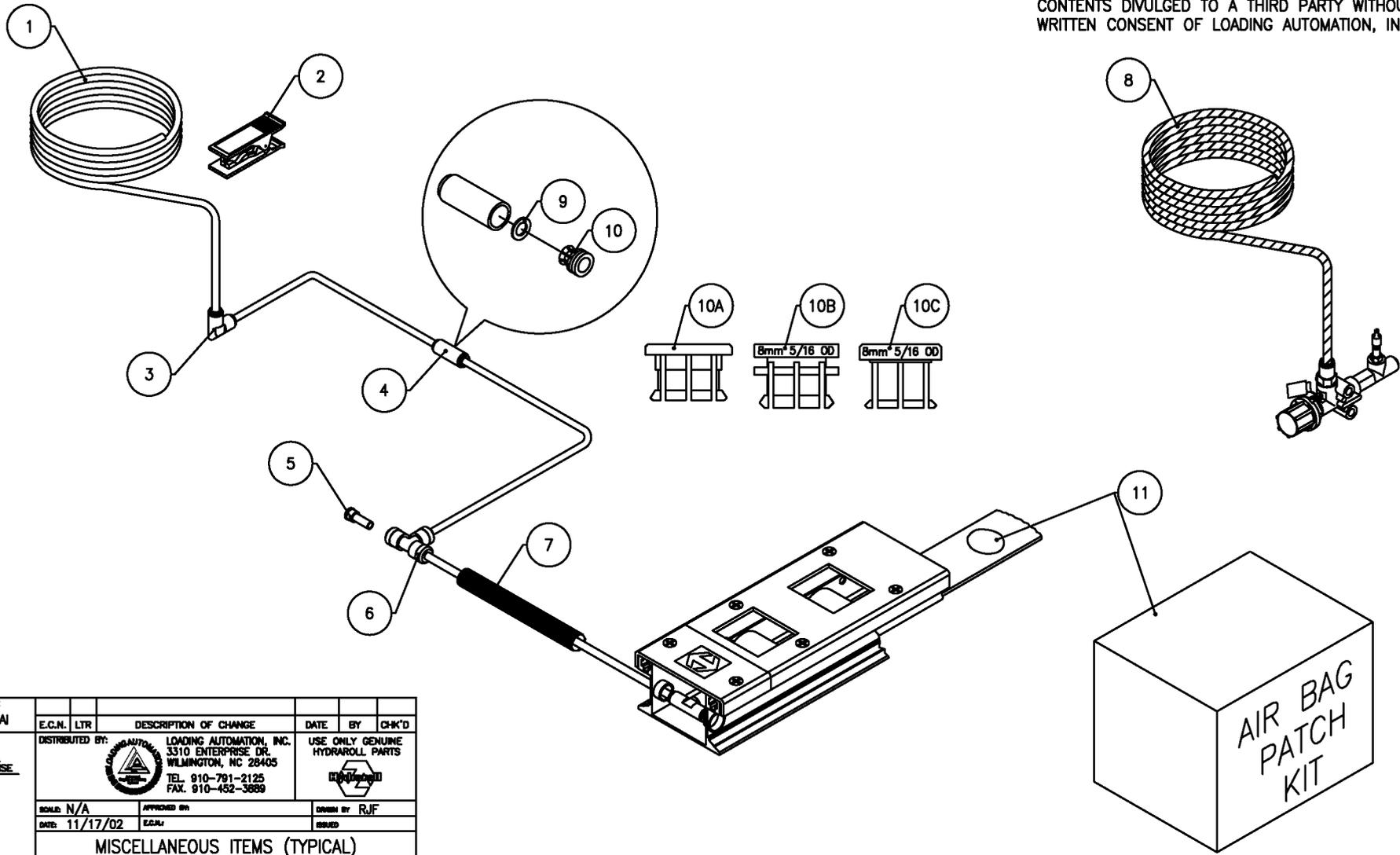
CADD FILE NAME MR000009-LAI					
E.C.N.	LTR	DESCRIPTION OF CHANGE	DATE	BY	CHK'D
DISTRIBUTED BY:		LOADING AUTOMATION, INC. 3310 ENTERPRISE DR. WILMINGTON, NC 28405 TEL. 910-791-2125 FAX. 910-452-3889	USE ONLY GENUINE HYDRAROLL PARTS		
TOLERANCES UNLESS OTHERWISE SPECIFIED		APPROVED BY:		DRAWN BY RJF	
.XX ±	SCALE N/A		DATE 11/17/02		RELEAS
.XXX ±	PALLETS STOPS				
ANGLES ±					
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	
DISTRIBUTED BY:		LOADING AUTOMATION, INC. 3310 ENTERPRISE DR. WILMINGTON, NC 28405 TEL. 910-791-2125 FAX. 910-452-3889		USE ONLY GENUINE HYDRAROLL PARTS	
TOLERANCES UNLESS OTHERWISE SPECIFIED		SCALE: N/A		APPROVED BY:	
.XX ±		DATE: 11/15/02		DRAWN BY: RJF	
.XXX ±		E.C.N.:		ISSUED	
ANGLES ±		PALLET STOPS			
DO NOT SCALE DRAWING		DRAWING NUMBER MR000009A			

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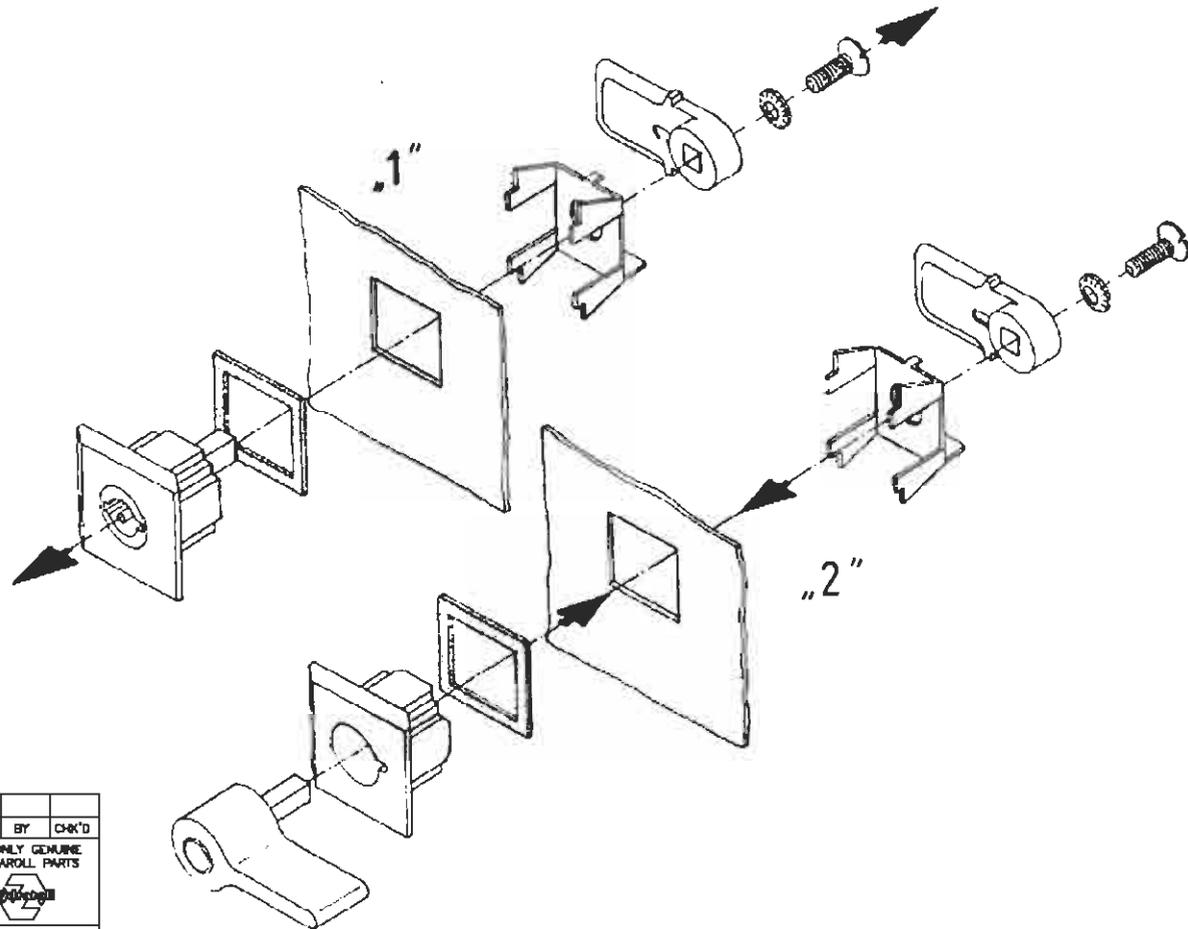
OLD DWG FILE NAME MR000010-LAI	E.C.N. LTR 	DESCRIPTION OF CHANGE 	DATE BY CHK'D
TOLERANCES UNLESS OTHERWISE SPECIFIED .XX ± .XXX ± ANGLES ±	DISTRIBUTED BY:  LOADING AUTOMATION, INC. 3310 ENTERPRISE DR. WILMINGTON, NC 28405 TEL. 910-791-2125 FAX. 910-452-3889	USE ONLY GENUINE HYDRAROLL PARTS 	SOLD: N/A DATE: 11/17/02 APPROVED BY: E.C.N.: DRAWN BY: RJF ISSUED:
DO NOT SCALE DRAWING	MISCELLANEOUS ITEMS (TYPICAL) DRAWING NUMBER MR000010		

ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1	NYLON TUBING; 5/16" OD	773005	
2	TUBING CUTTER	714009	
3	ELBOW CONNECTOR; 5/16"	773010	
4	BRASS STRAIGHT CONNECTOR	773007	
5	BLANKING PLUG	773009	
6	TEE; 5/16" T	773004	
7	PLASTIC CONDUIT	714008	
8	NYLON TUBING; 3/8" OD (DOT) BLUE	775001	
9	O-RING; 5/16"	773014	
10A	COLLET; 5/16" OLD STYLE THIN-LIP (PRE 1986)	773003	
10B	COLLET; 5/16" PRINTED EDGE DOUBLE LIP (1986-93)	773002	
10C	COLLET; 5/16" PRINTED EDGE SINGLE LIP (1993-PRESENT)	773013	
11	AIR BAG PATCH KIT	763001	

CAD DWG FILE NAME MR000010A-LAI						
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. 910-432-3889		USE ONLY GENUINE HYDRAROLL PARTS		
						
TOLERANCES UNLESS OTHERWISE SPECIFIED		SCALE: N/A		APPROVED BY:		DRAWN BY: RJF
.XX ±		DATE: 11/15/02		E.C.N.:		ISSUED
.XXX ±		MISCELLANEOUS ITEMS (TYPICAL)				
ANGLES ±						
DO NOT SCALE DRAWING				DRAWING NUMBER MR000010A		

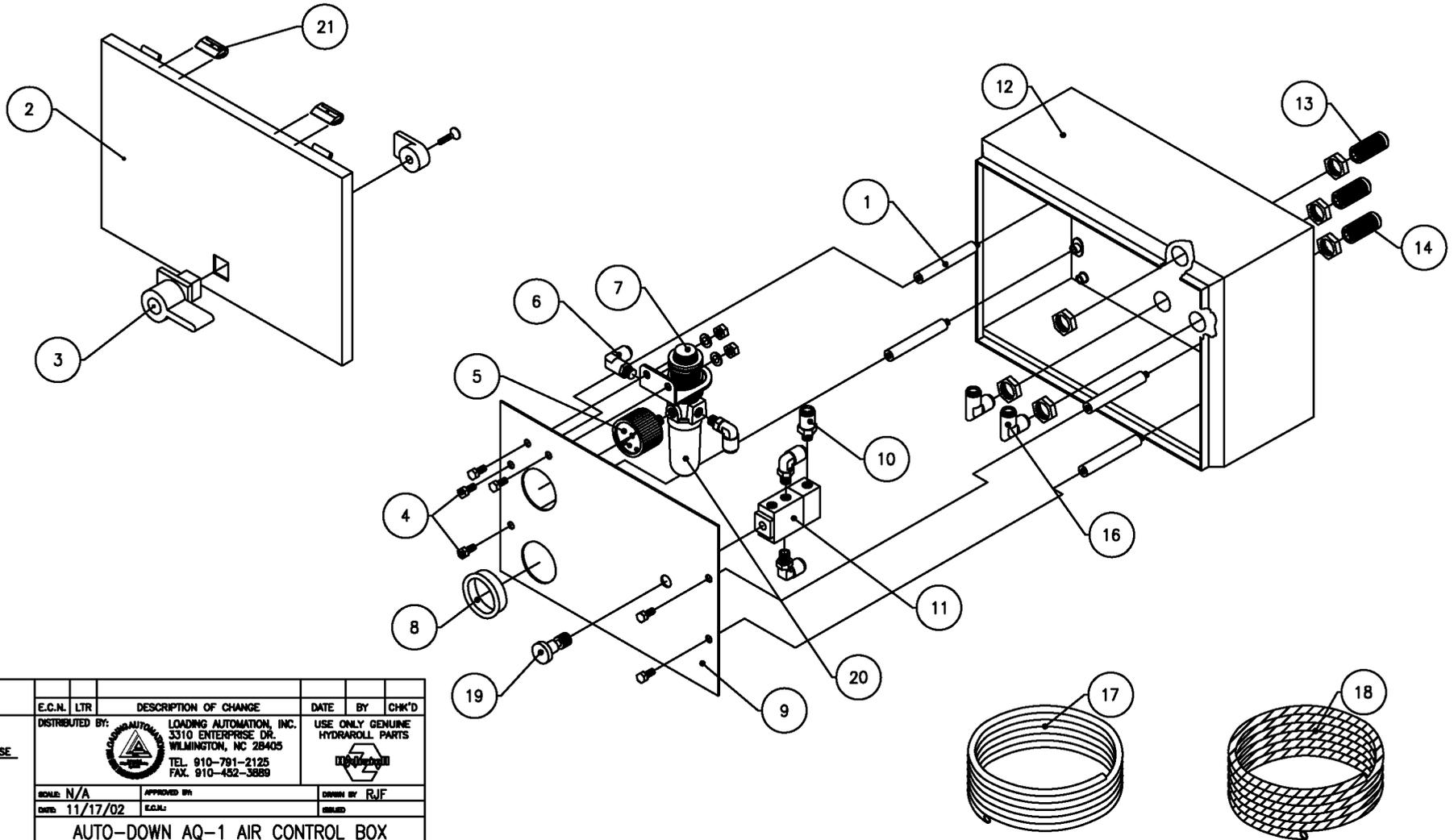
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CAD FILE NAME MR000020	E.C.N. LTR _____	DESCRIPTION OF CHANGE _____	DATE _____	BY _____	CHK'D _____	
TOLERANCES UNLESS OTHERWISE SPECIFIED .XX ± .XXX ± ANGLES ±	DISTRIBUTED BY:  LOADING AUTOMATION, INC. 3310 ENTERPRISE DR. WILMINGTON, NC 28405 TEL. 910-781-2125 FAX. 910-452-3899	USE ONLY GENUINE HYDAROLL PARTS 	SOHC N/A DATE 11/17/02 APPROVED BY: _____ E.C.N. _____			DRAWN BY: R/JF CHECKED BY: _____
CONTROL BOX LATCH ASSY						
DO NOT SCALE DRAWING	DRAWING NUMBER MR000020					

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CHG DWG FILE NAME MR000035	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 		
DO NOT SCALE DRAWING	SCALE: N/A CHG: 11/17/02	APPROVED BY: E.C.N.:	DRAWN BY: RJF CHECKED:		
AUTO-DOWN AQ-1 AIR CONTROL BOX					
DRAWING NUMBER MR000035					

ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1	FACE PLATE MOUNTING PILLAR *	771043	4
2	LID; COMPLETE WITH SEAL *	771013	1
3	LATCH *	771012	1
4	FACE PLATE MOUNTING BOLT *	940031	4
5	GAUGE; 30 psi	772008	1
6	SWIVEL ELBOW ADAPTER; 5/16" T x 1/8" P	773011	4
7	FILTER REGULATOR ASSEMBLY; 30 psi (incl. 5,6,20)	772017	1
8	GROMMET	714002	1
9	FACE PLATE (PREDRILLED) *	771027	1
10	STUD COUPLING; 3/8" T (DOT) x 1/8" NPT	775004	1
11	AUTO-DOWN CONTROL VALVE (incl. 19)	772024	1
12	BOX ASSEMBLY (5" x 8" x 12") *	771023	1
13	BULKHEAD CONNECTOR; 3/8" T; DOT; COMPLETE WITH LOCKNUTS	775002	1
14	BULKHEAD CONNECTOR; 5/16" T; COMPLETE WITH LOCKNUTS	771010	2
16	ELBOW CONNECTOR	773010	2
17	NYLON TUBING; 5/16" OD	773005	3 FEET
18	NYLON TUBING; 3/8" DOT	775001	AS REQ'D
19	KNOB; AUTO-DOWN VALVE	772023	1
20	FILTER BOWL (METAL)	772012	1
21	REPLACEMENT HINGE (incl. screws and washers) *	771003	2

AUTO-DOWN AIR CONTROL BOX AQ-1 COMPLETE (incl. 1-20) 771017 1

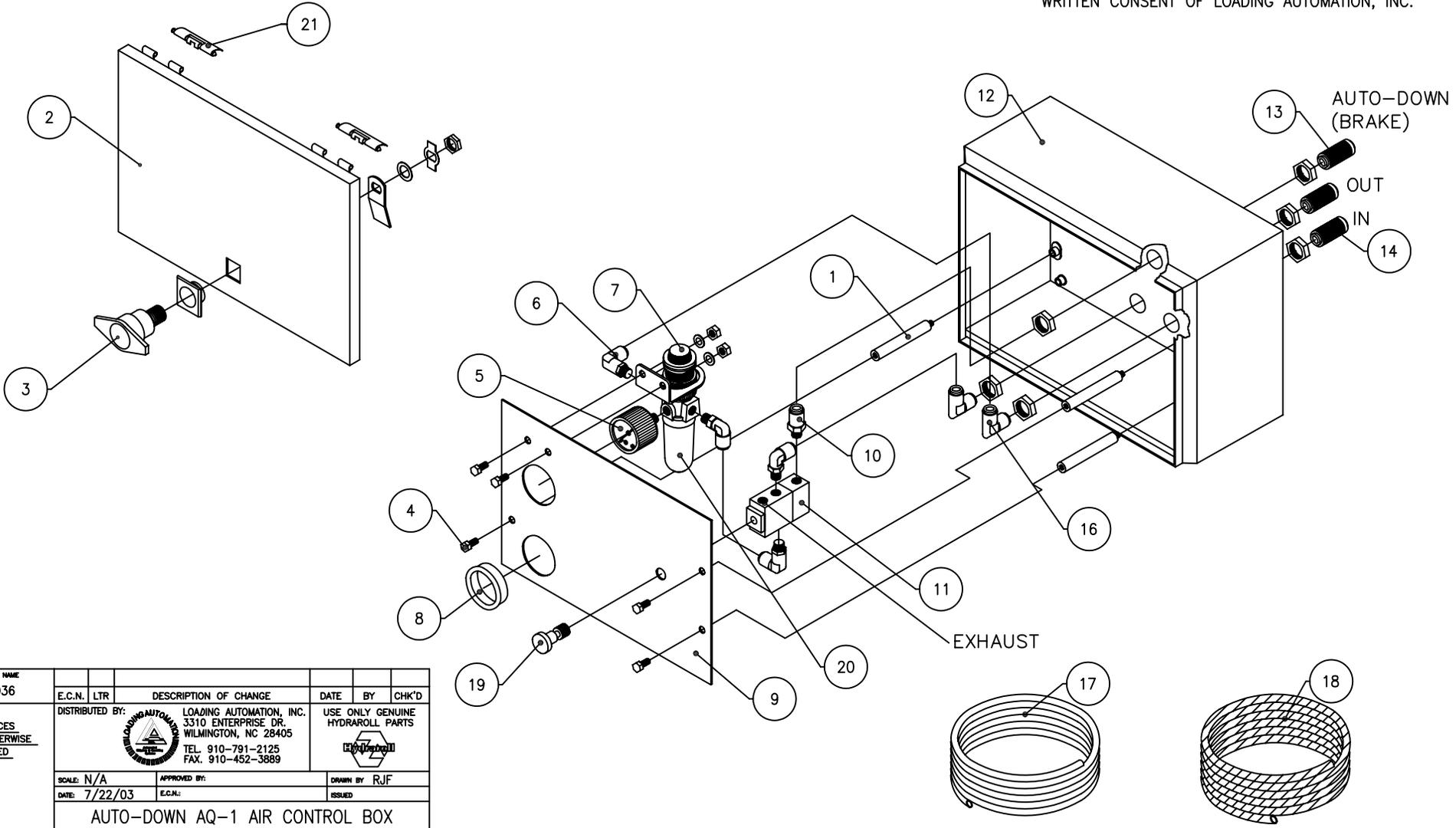
RETRO-KIT AUTO-DOWN CONTROL BOX 771028

* NOTE: AS OF JANUARY 1998, THE SAREL BRAND CONTROL BOX IS OBSOLETE. IT HAS BEEN REPLACED BY A RITTAL BRAND CONTROL BOX.

CADD FILE NAME MR000035A		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: RJF		
.XXX ±	DATE: 11/15/02		E.C.N.:		ISSUED		
ANGLES ±	AUTO-DOWN AQ-1 AIR CONTROL BOX						
DO NOT SCALE DRAWING				DRAWING NUMBER MR000035A			

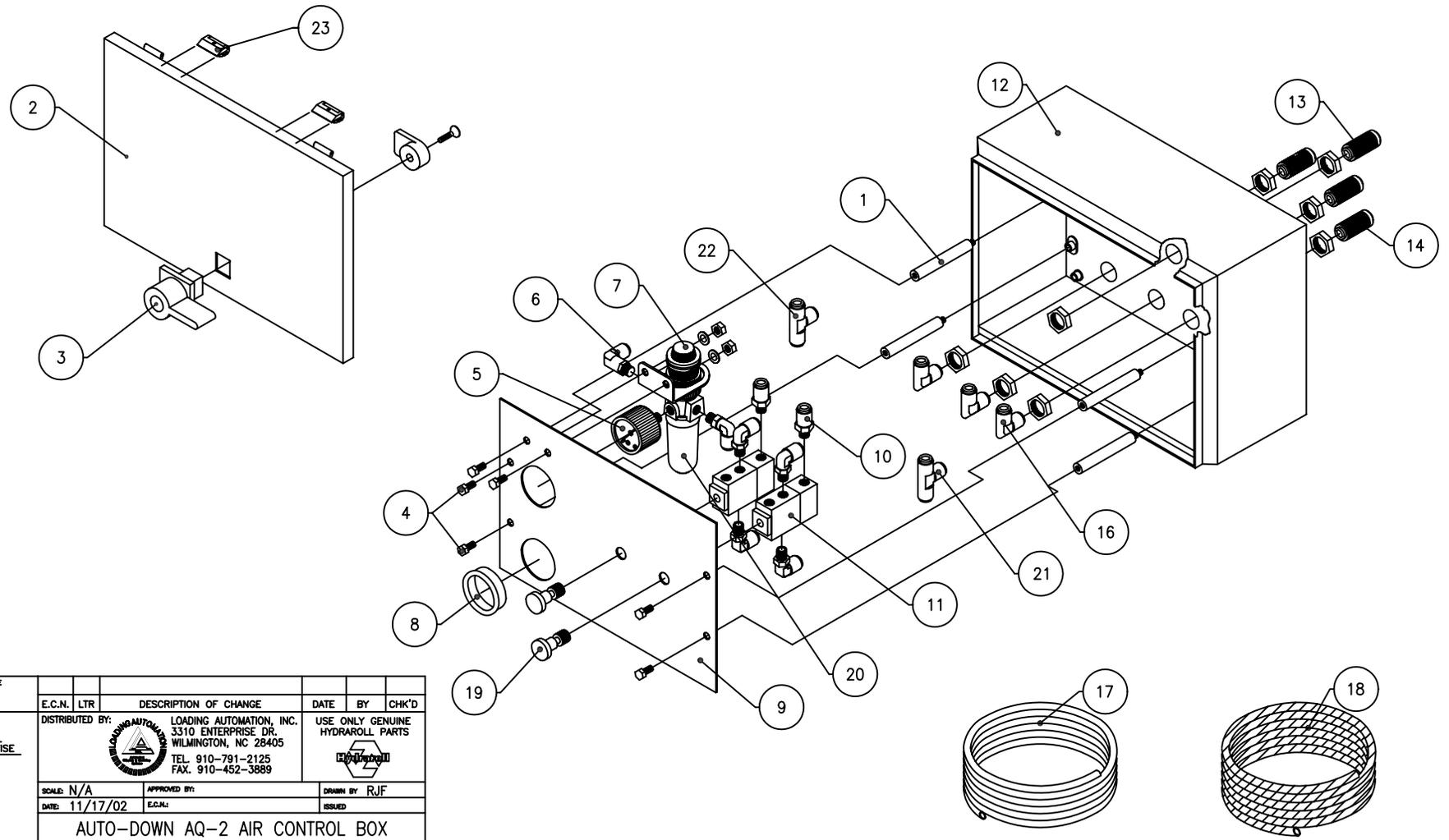
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OLD DWG FILE NAME MR000036	E.C.N. LTR _____	DESCRIPTION OF CHANGE _____	DATE _____	BY _____	CHK'D _____
TOLERANCES UNLESS OTHERWISE SPECIFIED .XX ± .XXX ± ANGLES ±	DISTRIBUTED BY:  LOADING AUTOMATION, INC. 3310 ENTERPRISE DR. WILMINGTON, NC 28405 TEL. 910-791-2125 FAX. 910-452-3889	USE ONLY GENUINE HYDRAROLL PARTS 	SCALE: N/A DATE: 7/22/03	APPROVED BY: _____ E.C.N.: _____	DRAWN BY: RJF ISSUED _____
DO NOT SCALE DRAWING	AUTO-DOWN AQ-1 AIR CONTROL BOX STAINLESS STEEL BOX	DRAWING NUMBER MR000036			

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CAD DWG FILE NAME MR000040		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: R/JF		
DATE: 11/17/02		E.C.N.: _____		ISSUED _____		
AUTO-DOWN AQ-2 AIR CONTROL BOX						
DO NOT SCALE DRAWING		PAINTED BOX		DRAWING NUMBER MR000040		

ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1	FACE PLATE MOUNTING PILLAR *	771043	4
2	LID; COMPLETE WITH SEAL *	771013	1
3	LATCH *	771012	1
4	FACE PLATE MOUNTING BOLT *	940031	4
5	GAUGE; 30 psi	772008	1
6	SWIVEL ELBOW ADAPTER; 5/16" T x 1/8" P	773011	6
7	FILTER REGULATOR ASSEMBLY; 30 psi (incl. 5,6,20)	772017	1
8	GROMMET	714002	1
9	FACE PLATE (PREDRILLED) *	771029	1
10	STUD COUPLING; 3/8" T (DOT) x 1/8" NPT	775004	2
11	AUTO-DOWN CONTROL VALVE (incl. 19)	772024	2
12	BOX ASSEMBLY (5" x 8" x 12") *	771023	1
13	BULKHEAD CONNECTOR; 3/8" T; DOT; COMPLETE WITH LOCKNUTS	775002	1
14	BULKHEAD CONNECTOR; 5/16" T; COMPLETE WITH LOCKNUTS	771010	3
16	ELBOW CONNECTOR; 5/16" T	773010	3
17	NYLON TUBING; 5/16" OD	773005	3 FEET
18	NYLON TUBING; 3/8" DOT	775001	AS REQ'D
19	KNOB; AUTO-DOWN VALVE	772023	2
20	FILTER BOWL (METAL)	772012	1
21	CONNECTOR TEE; 5/16" T	773004	1
22	CONNECTOR TEE; 3/8" DOT	775003	1
23	REPLACEMENT HINGE (incl. screws and washers) *	771003	2

AUTO-DOWN AIR CONTROL BOX AQ-2 COMPLETE (incl. 1-22) 771018 1

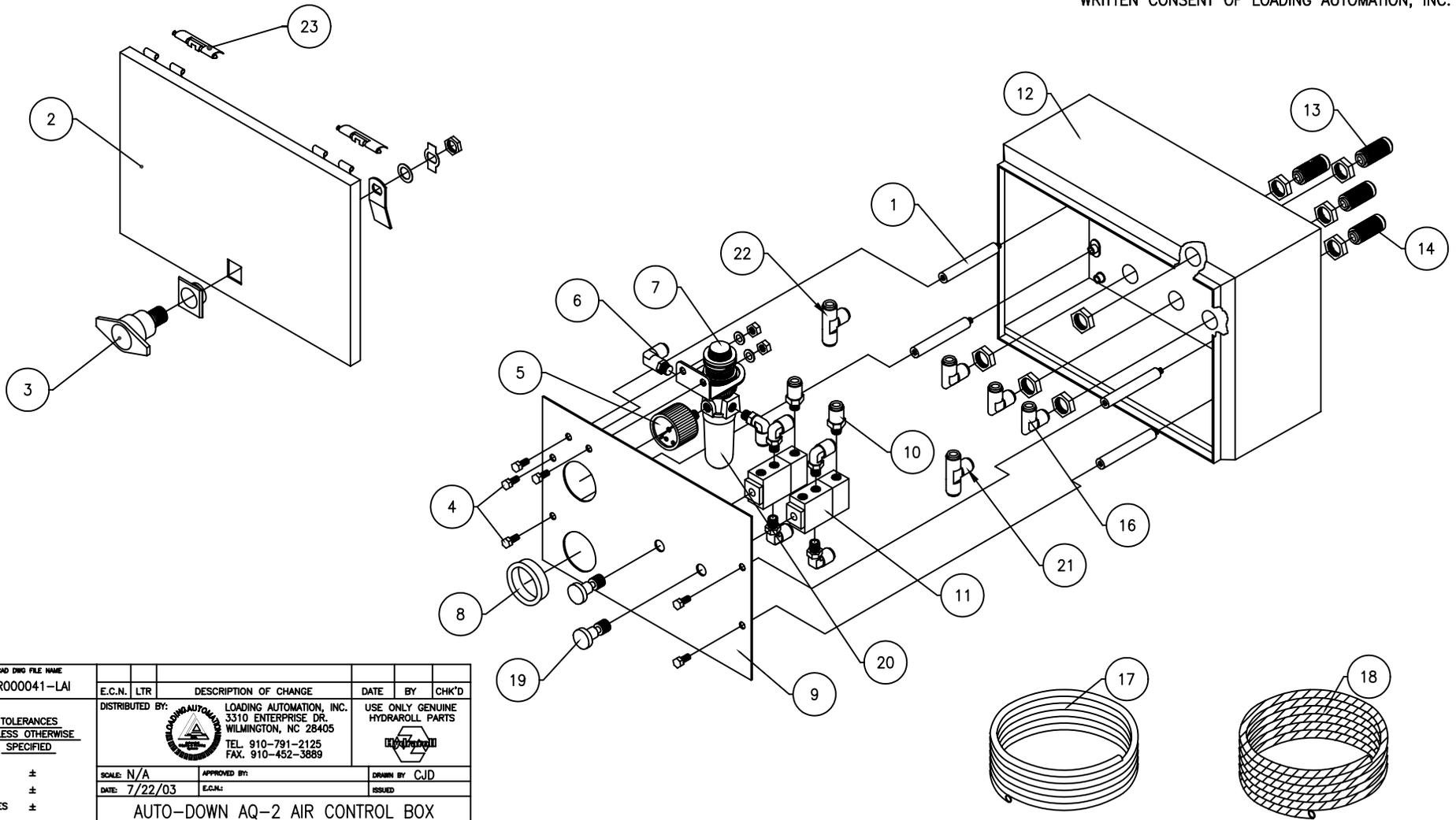
RETRO-KIT AUTO-DOWN CONTROL BOX 771028

* NOTE: AS OF JANUARY 1998, THE SAREL BRAND CONTROL BOX IS OBSOLETE. IT HAS BEEN REPLACED BY A RITTAL BRAND CONTROL BOX.

CADD DRAW FILE NAME MR000040A		E.C.N. LTR		DESCRIPTION OF CHANGE		DATE		BY		CHK'D	
<u>TOLERANCES UNLESS OTHERWISE SPECIFIED</u> .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		AUTO-DOWN AQ-2 AIR CONTROL BOX			
DO NOT SCALE DRAWING						DRAWING NUMBER		MR000040A			

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CHG DWG FILE NAME MR000041-LAI	E.C.N.	LTR	DESCRIPTION OF CHANGE	DATE	BY	CHK'D
<u>TOLERANCES UNLESS OTHERWISE SPECIFIED</u> .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		
						
DO NOT SCALE DRAWING	SCALE: N/A		APPROVED BY:	DRAWN BY: CJD		
	DATE: 7/22/03		E.C.N.:	ISSUED		
	AUTO-DOWN AQ-2 AIR CONTROL BOX					
	DRAWING NUMBER		MR000041-LAI			
	STAINLESS STEEL BOX					

ITEM NUMBER	DESCRIPTION	PART NUMBER	NUMBER REQUIRED
1	FACE PLATE MOUNTING PILLAR *	771043	4
2	LID; WITH HINGES	771048	1
3	LATCH *	771045	1
4	FACE PLATE MOUNTING BOLT *	940031	4
5	GAUGE; 30 psi	772008	1
6	SWIVEL ELBOW ADAPTER; 5/16" T x 1/8" P	773011	6
7	FILTER REGULATOR ASSEMBLY; 30 psi (incl. 5,6,20)	772017	1
8	GROMMET	714002	1
9	FACE PLATE (PREDRILLED) *	771047	1
10	STUD COUPLING; 3/8" T (DOT) x 1/8" NPT	775004	2
11	AUTO-DOWN CONTROL VALVE (incl. 19)	772024	2
12	BOX ASSEMBLY (5" x 8" x 12") *	771023	1
13	BULKHEAD CONNECTOR; 3/8" T; DOT; COMPLETE WITH LOCKNUTS	775002	1
14	BULKHEAD CONNECTOR; 5/16" T; COMPLETE WITH LOCKNUTS	771010	3
16	ELBOW CONNECTOR; 5/16" T	773010	3
17	NYLON TUBING; 5/16" OD	773005	3 FEET
18	NYLON TUBING; 3/8" DOT	775001	AS REQ'D
19	KNOB; AUTO-DOWN VALVE	772023	2
20	FILTER BOWL (METAL)	772012	1
21	CONNECTOR TEE; 5/16" T	773004	1
22	CONNECTOR TEE; 3/8" DOT	775003	1
23	HINGE ASSEMBLY (REPLACEMENT)	771046	2

AUTO-DOWN AIR CONTROL BOX AQ-2 COMPLETE (incl. 1-22)	771051	1
STAINLESS STEEL ENCLOSURE (EMPTY); AQ-2 PRE-DRILLED W/DECAL	771049	1
RETRO-KIT AUTO-DOWN CONTROL BOX	771028	

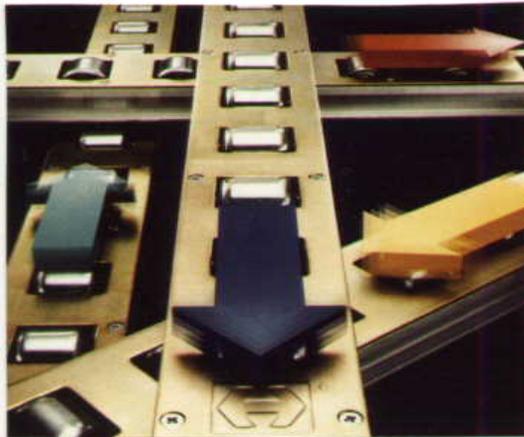
* NOTE: AS OF JANUARY 1998, THE SAREL BRAND CONTROL BOX IS OBSOLETE. IT HAS BEEN REPLACED BY A RITTAL BRAND CONTROL BOX.

CADD DRAW FILE NAME		E.C.N.		LTR		DESCRIPTION OF CHANGE		DATE		BY		CHK'D	
MRO00041A-LAI													
<u>TOLERANCES UNLESS OTHERWISE 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					
.XX ±		SCALE: N/A		APPROVED BY:				DRAWN BY: CJD					
.XXX ±		DATE: 7/22/03		E.C.N.:				ISSUED					
ANGLES ±		AUTO-DOWN AQ-2 AIR CONTROL BOX											
DO NOT SCALE DRAWING		STAINLESS STEEL BOX				DRAWING NUMBER				MRO00041A-LAI			

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OPERATION & MAINTENANCE ROLLER TRACK SYSTEMS



Sold and Serviced by:

**LOADING
AUTOMATION, INC.
WILMINGTON, NC
(910) 791-2125
FAX (910) 452-3889
800-264-3184**

AIR INTEGRITY TEST PROCEDURE

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).

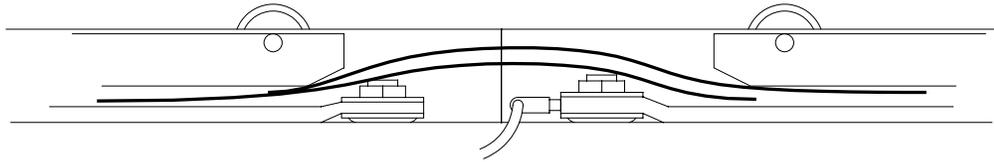


FIGURE A

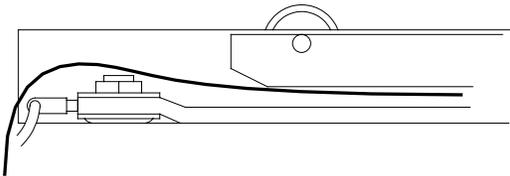


FIGURE B

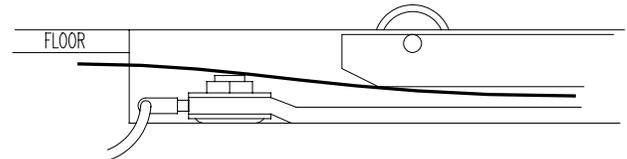
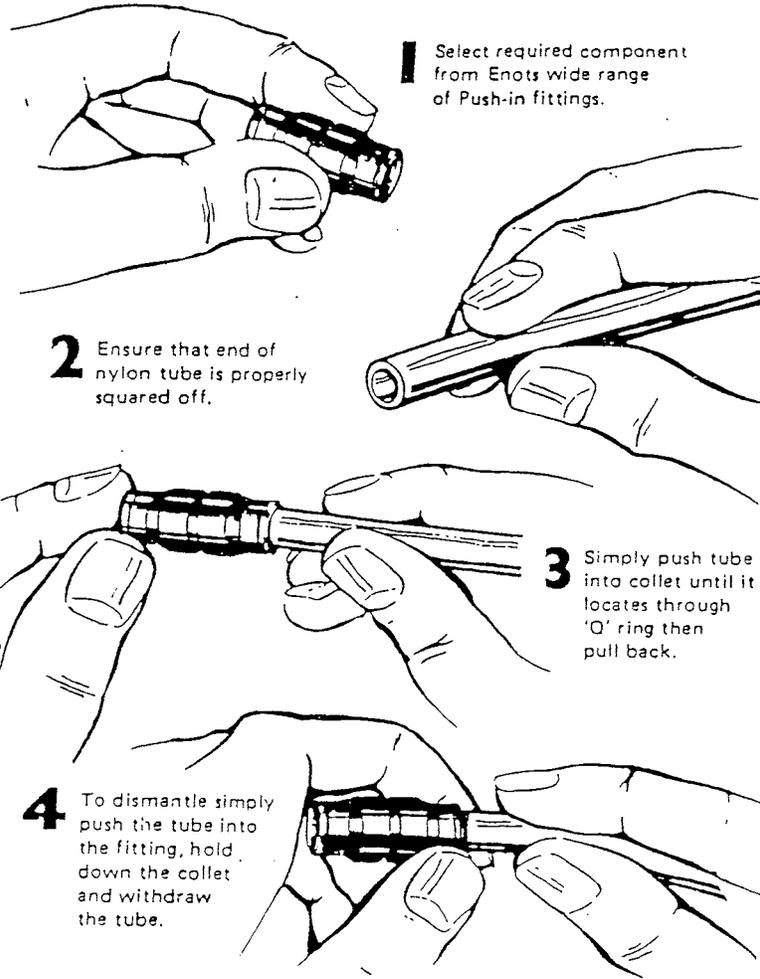


FIGURE C

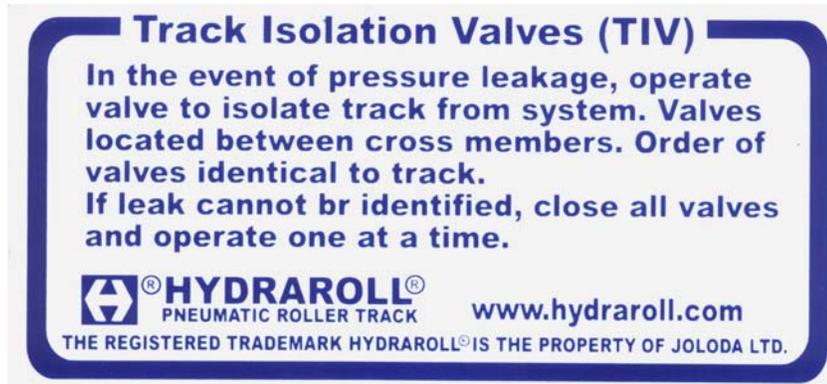
TUBING INSTALLATION

METHOD OF ASSEMBLY

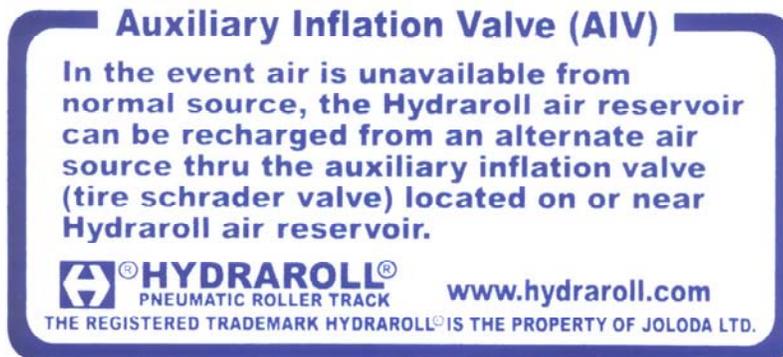


DECAL LOCATION DRAWINGS

- 715004-Track Isolation Valves (TIV)
- Locate decal on flat body adjacent to TIV.



- 715006-Auxiliary Inflation Valve (AIV)
- Locate decal on flat body surface adjacent to reservoir.



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.

Hydraroll

Complete operating and maintenance instructions are provided with this unit. Read and understand fully prior to operation. Failure to maintain this equipment in good repair and operating condition can result in unsafe use and loss of warranty.

Maintenance highlights are listed below - consult manual for full details.

<p>OPERATING PROCEDURE</p> <p>1. Load/Unload Push button(s) in - air in, rollers raised Pull button(s) out - for each loaded section</p> <p>2. Transportation Button(s) out - air out, rollers lowered</p> <p>3. Lower rollers when not in use</p>	<p>MAINTENANCE PROCEDURE</p> <p>1. Weekly Check Drain water from air receiver and filter bowl in control box. Visually check tracks for obstructions which might prevent movement of the rollers.</p> <p>2. Monthly Check Inspect tracks for damage, loose parts and fittings. Inspect air equipment for leaks, insecure connections, damage to air lines and components. Repair, replace and secure as required.</p> <p>3. 6-Monthly Scheduled Service Remove top plates from track and clean out any particles from channel sections.</p>
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Comments or questions on Hydraroll Products, call:
Loading Automation Inc.
3310, Enterprise Drive
Wilmington
NC 28405, USA
Tel: (001) 910 791 2125

**CLOSE AND LATCH
WHEN NOT IN USE**